February 8, 2006

VIA CERTIFIED MAIL

Mary Logan
U S EPA Region V (SR-6J)
77 W Jackson Boulevard
Chicago, IL 60604-3590

Sheila Abraham
Ohio EPA - NE District Office
Div Of Emergency & Remedial Response
2110 East Aurora Road
Twinsburg, OH 44087

Remedial Response Section Manager
Ohio EPA - DERR
P O Box 1049
Lazarus Government Center Office
122 South Front Street
Columbus, OH 43216-1049

RUTGERS Organics Corporation

Re: JANUARY 2006 MONTHLY REPORT
RI/FS & REMOVAL ACTION
NEASE CHEMICAL SITE
SALEM, OHIO

In accordance with Paragraph X E of the Administrative Order by Consent regarding a Remedial Investigation/Feasibility Study (RI/FS) of the Nease Chemical Site in Salem, Ohio, attached is a copy of the January 2006 RI/FS Progress Report

Additionally, in accordance with Paragraph 14 of the Administrative Order by Consent, signed November 17, 1993, attached is a copy of the January 2006 Removal Action Progress Report

Please contact us if you have any questions regarding activities discussed in these reports

Sincerely,

Rainer Domalski

Dr. Rainer F. Domalski
Manager Remediation Projects

Enclosure

cc: M. Hardy – Thompson Hine
Steve Finn – Golder Associates, Inc

020806

201 Struble Road
State College, PA 16801

Phone 814-238-2424
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Member of the RUTGERS Chemicals Group

NEASE CHEMICAL SITE, SALEM, OHIO
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
MONTHLY PROGRESS REPORT
JANUARY 2006

1.0 INTRODUCTION

This progress report has been prepared in accordance with Paragraph XE of the Administrative Order of Consent regarding a Remedial Investigation/Feasibility Study of the Nease Chemical Site in Salem, Ohio The report summarizes the major RI/FS actions during the month along with investigation results and any problems encountered in the project Activities planned for next month are also presented.

2.0 SUMMARY OF ACTIVITIES PERFORMED

2 1 PROJECT ACTIVITY SUMMARY

The activities that were initiated and/or completed during the month are described All activities were performed in accordance with the detailed protocol provided in the approved Work Plan

2 2 FIELDWORK

None

2.3 REPORTS

2.3 1 REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)

The final Record of Decision for Operational Unit #2 (onsite) was signed by the agency on September 29, 2005. The agency submitted a draft Administrative Order of Consent (AOC) for the pre-design investigation and design of the remedial action to ROC at the beginning of January 2006. ROC made a good faith offer to negotiate the AOC with he agency

In preparation of the upcoming Feasibility Study (FS) for OU-3 (Feeder Creek, MFLBC), the agencies and ROC agreed on additional sampling in the MFLBC including sediment, fish, surface water and flood plain soil to have a sufficient data base for the study The first step, the reconnaissance of sediment bodies in the MFLBC, was performed from August 1 through 15, 2005. Sediment and fish samples were taken in the week of October 10, 2005, the surface water samples in the last October week The analytical results of the samples taken were validated by the ROC's technical consultant. Sampling locations for the flood plain soil were determined Ohio EPA has contacted the property owners at these locations and informed them the upcoming event ROC is currently obtaining an access agreement with the owners

2.4 MEETINGS

None

3.0 VARIATIONS FROM THE APPROVED RI/FS WORK PLAN

None

4.0 RESULTS OF SAMPLING, TESTS AND ANALYSES

None

5.0 PROJECT SCHEDULE

The current Work Plan schedule identifies completion and target dates for project activities Those scheduled to occur over the next several months include.

- Feasibility Study OU-3 (Feeder Creek, Middle Fork of Little Beaver Creek)

6.0 DIFFICULTIES ENCOUNTERED AND ACTION TAKEN TO RESOLVE PROBLEMS

No significant difficulties were encountered.

7.0 PERSONNEL CHANGES

None

8.0 ANTICIPATED PROJECT ACTIVITIES FOR RFEBRUARY 2006

- Monthly Progress Report January 2006
- Develop data base for upcoming FS for OU-3 (Feeder Creek/Middle Fork of Little Beaver Creek)
- MFLBC Flood plain sampling – Access to private properties

020806

TABLE 1
NEASE CHEMICAL SITE, SALEM, OHIO
RI/FS SCHEDULE

DATE	TASK/ACTIVITY/DELIVERABLE/MILESTONE
	Documentation of the Site Activities through July 31, 2004 can be reviewed in the July 2004 Monthly Progress Report
August 30, 2004	US EPA Region V/ OEPA approve Endangerment Assessment
September 1, 2004	Draft Feasibility Study (OU-2) submitted to the agencies for review
September 9, 2004	Submit Monthly Progress Report
September 13, 2004	Submit Final Revision to Endangerment Assessment
October 8, 2004	Submit Monthly Progress Report
November 10, 2004	Submit Monthly Progress Report
November 22, 2004	Received Agencies' comments for draft FS (OU-2)
December 10, 2004	Submit Monthly Progress Report
January 10, 2005	Submit Monthly Progress Report
February 10, 2005	Submit Monthly Progress Report
March 1, 2005	Final Draft Feasibility Study (OU-2) submitted to agencies for review
March 4, 2005	Submit Monthly Progress Report
April 8, 2005	Submit Monthly Progress Report
April 21, 2005	US EPA Region V/OEPA approve Final Feasibility Study for OU-2
May 9, 2005	Submit Monthly Progress Report
May 31, 2005	US EPA Region V published the Proposed Remedial Action the OU-2 (onsite)
June 9, 2005	Submit Monthly Progress Report
July 8, 2005	Submit Monthly Progress Report
August 10, 2005	Submit Monthly Progress Report
Aug 1 – 15, 2005	MFLBC – Reconnaissance of sediment bodies
September 9, 2005	Submit Monthly Progress Report
September 29, 2005	US EPA Region V signs Final Record of Decision for OU-2
October 10, 2005	Submit Monthly Progress Report
November 9, 2005	Submit Monthly Progress Report
December 8, 2005	Submit Monthly Progress Report
January 9, 2006	Submit Monthly Progress Report
February 8, 2006	Submit Monthly Progress Report

NEASE CHEMICAL SITE, SALEM, OHIO
REMOVAL ACTION
MONTHLY PROGRESS REPORT
JANAURY 2006

1.0 INTRODUCTION

This progress report has been prepared in accordance with Paragraph 14 of the "Order" section of the Administrative Order by Consent (AOC) Docket No. V-W-94-C-212, effective November 17, 1993, regarding a Removal Action for the Nease Chemical Site in Salem, Ohio The report summarizes the major activities during the month along with investigation results and any problems encountered on the project. Activities planned for next month are also presented

2.0 SUMMARY OF ACTIVITIES PERFORMED

2.1 PROJECT ACTIVITY

The activities that were initiated and/or completed during this month are described below Activities were performed in accordance with the Removal Action AOC

The agencies and ROC discussed modifications of the existing onsite groundwater treatment system to optimize the protection against spills. ROC summarized the modifications agreed by the parties in a letter to the agencies The necessary scope of work is currently for bid at several contractors

2.2 WORK PLAN PREPARATION/REPORTS

No work plans/reports were submitted this period.

2 3 FIELDWORK

2 3.1 SITE INSPECTIONS

The results of the monthly site inspection carried out at the site on January 23, 2006 are shown in Attachment 1.

2 3 2 MONTHLY WATER LEVEL MEASUREMENTS

The next water level measurements are planned for February 2006.

2.3.3 TREATMENT PLANT OPERATION

The treatment plant operated mostly normal throughout the month

2 4 1 1 MEETINGS

None

3.0 VARIATIONS FROM THE APPROVED REMOVAL ACTION WORK PLAN

None

4.0 RESULTS OF INSPECTIONS, ENVIRONMENTAL SAMPLING, TESTS AND ANALYSES

Water monitoring samples were collected from the treatment plant on December 20, 2005, January 3 and 17, 2006 (see Attachments 2, 3, and 4, Lab. Exygen Research) The next sampling for acute/chronic toxicity will be conducted in February 2006.

5.0 PROJECT SCHEDULE

The updated Work Plan schedule identifies completion and target dates for project activities

6.0 DIFFICULTIES ENCOUNTERED AND ACTION TAKEN TO RESOLVE PROBLEMS

As result of an OEPA site inspection in April 2004 and the overflow of the GWTP influent tank in June 2004 ROC has proposed some modification of the groundwater treatment system US EPA Region V and OEPA approved the proposed changes Golder, ROC's consultant, has submitted a detailed design that will be subject to the agencies' review Final modifications were agreed on during a conference call on August 16, 2005 The results were summarized in a letter report to the agencies Golder submitted bidding documents to several contractors

7.0 PERSONNEL CHANGES

No personnel changes occurred during month.

8.0 TYPES AND QUANTITIES OF REMOVED MATERIALS

For the period from January 1through 31, 2006 the following material was removed

- 15,000 gallons of leachate and/or backwash water were disposed off-site at a licensed treatment facility.
- Approximately 91,259 gallons were pumped from Leachate Collection System 1 (LCS-1) (total for LCS-1 =18,168,886 gal)
- Approximately 9,658 gallons were pumped from Leachate Collection System 2 (LCS-2) (total for LCS-2 = 1,399,521 gal).
- No water was pumped from Pond 1 (total for the pond = 962,084 gallons).
- Approximately 14 pounds of organic compounds were removed during pumping (estimate based on average VOC/SVOC concentrations for each source).

9.0 ANTICIPATED PROJECT ACTIVITIES FOR FEBRUARY 2006

Removal Action activities scheduled for the upcoming month include on-going implementation of the approved Removal Action Work Plan involving:

- Collection of groundwater from the existing collection systems LCS-1, LCS-2 and Pond 1.
- Implementation of planned treatment plant modifications – Bidding
- Monthly Progress Report for January 2006

TABLE 1
NEASE CHEMICAL SITE, SALEM, OHIO
REMOVAL ACTION SCHEDULE

DATE	TASK/ACTIVITY/DELIVERABLE/MILESTONE
	Documentation of the Site Activities through July 31, 2004 can be reviewed in the July 2004 Monthly Progress Report
September 9, 2004	Submit Monthly Progress Report
October 8, 2004	Submit Monthly Progress Report
November 10, 2004	Submit Monthly Progress Report
December 10, 2004	Submit Monthly Progress Report
January 10, 2005	Submit Monthly Progress Report
February 10, 2005	Submit Monthly Progress Report
March 4, 2005	Submit Monthly Progress Report
April 8, 2005	Submit Monthly Progress Report
May 9, 2005	Submit Monthly Progress Report
June 9, 2005	Submit Monthly progress Report
July 8, 2005	Submit Monthly Progress Report
August 10, 2005	Submit Monthly Progress Report
September 9, 2005	Submit Monthly Progress Report
October 10, 2005	Submit Monthly Progress Report
November 9, 2005	Submit Monthly Progress Report
December 8, 2005	Submit Monthly Progress Report
January 9, 2006	Submit Monthly Progress Report
February 8, 2006	Submit Monthly Progress Report

ATTACHMENT 1

RESULTS OF MONTHLY SITE INSPECTION
NEASE CHEMICAL SITE, SALEM, OHIO
JANUARY 2006

SITE INSPECTION FORM
RUETGERS-NEASE CORPORATION
Nease Site, Salem, Ohio

Date of Inspection: 1-23-06

Entry Time: 1200 HRS Exit Time: 1600 HRS.

Weather: Cloudy + Cool

Inspector's Name: DENNIS L. LANE

Inspector's Company: Howells and Baird, Inc.

INSPECTION RESULTS

SPECIFIC OBSERVATIONS: Structures

(Responses: S = Satisfactory U = Unsatisfactory Yes/No Levels Measured in Feet, N/A = Not Applicable)

	Pump	Quick Connect	Water Level	Berm Erosion	Visible Leakage
Leachate Collection System 1 (LCS-1)	S	S	8.13	N/A	No
Leachate Collection System 2 (LCS-2)	S	S	11.61	N/A	No
Pond 1 Pumphouse	S	S	9.13	N/A	No
Pond 1 Berm	N/A	N/A	N/A	No	No
Pond 2 Embankment	N/A	N/A	N/A	No	No
Exclusion Area A Embankment	N/A	N/A	N/A	No	No
Storage Tank	N/A	S	6.75	N/A	No
Other (specify)					

SPECIFIC OBSERVATIONS: Sediment Barriers

Condition of Sediment Barriers

Barrier ID	Fabric Intact?	By Passing Evident?	Is Maintenance Necessary?
Sediment Control Structure 1	YES	NO	NO
Sediment Control Structure 2	YES	NO	NO
Fabric Barrier 2	YES	NO	NO
Fabric Barrier 3	YES	NO	NO
Fabric Barrier 4	YES	NO	NO
Fabric Barrier 5	YES	NO	NO
Fabric Barrier 8	YES	NO	NO
Fabric Barrier 9	YES	NO	NO
Fabric Barrier 10	YES	NO	NO
Rock Barrier 1	YES	NO	NO
Rock Barrier 2	YES	NO	NO
Pond 7 - North	YES	NO	NO
Pond 7 - South	YES	NO	NO

SPECIFIC OBSERVATIONS: Seeps (if present, use more forms, as necessary)

Seep ID (yr-month-#)	Located on Map	Areal Extent (ft 2)	Magnitude (flow?, ponding?)
94-7-1	YES	20	NON-FLOWING SEEP
96-8-2	YES	20	NON-FLOWING SEEP

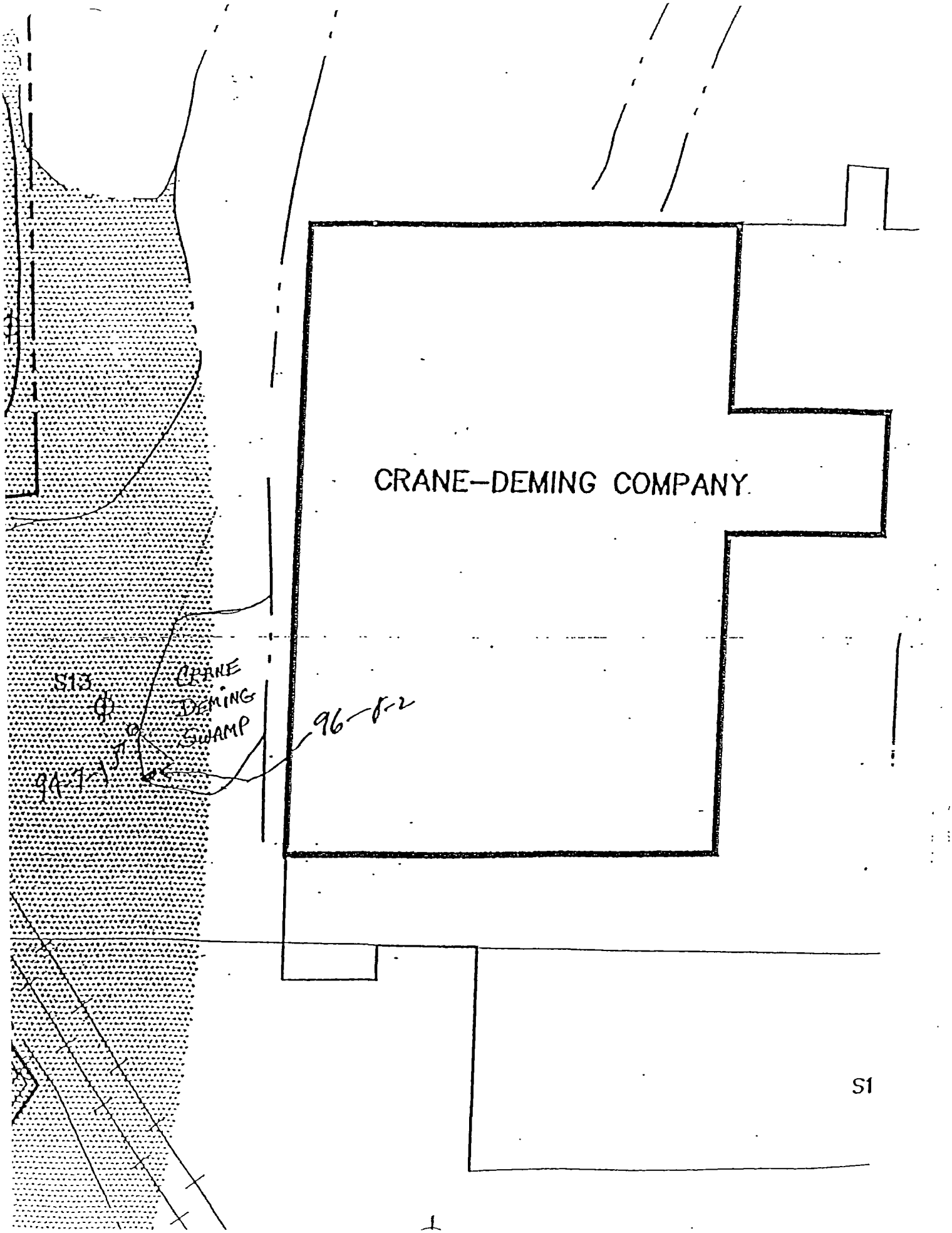
Note Seep ID # equal the "nth' observed seep during the yr-month in question

ADDITIONAL OBSERVATION OR REMARKS:

Inspector's Name: DENNIS L. LANE

Inspector's Signature: Dennis L. Lane

Date: 1-23-06


CRANE–DEMING COMPANY
S13
CRANE DEMING SWAMP
96-1-2
94-1-1
S1

ATTACHMENT 2

WATER SAMPLING RESULTS – DECEMBER 20, 2005
NEASE CHEMICAL SITE, SALEM, OHIO

SEVERN TRENT STL

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720

Tel: 330 497 9396 Fax: 330 497 0772
www.stl-inc.com

ANALYTICAL REPORT

Lot #: A5L220296

Jeff Biss

Exygen Research
3058 Research Drive
State College, PA 16801

SEVERN TRENT LABORATORIES, INC.

Frank J. Calovini
Project Manager

December 29, 2005

CASE NARRATIVE

A5L220296

The following report contains the analytical results for three water samples submitted to STL North Canton by Exygen Research. The samples were received December 22, 2005, according to documented sample acceptance procedures.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, Frank J. Calovini, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT." The total number of pages in this report is 18.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 5.1°C.

See STL's Cooler Receipt Form for additional information.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

EXECUTIVE SUMMARY - Detection Highlights

A5L220296

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
CO131381 12/20/05 13:00 001				
Total Dissolved Solids	550	10	mg/L	MCAWW 160.1
Total Suspended Solids	33	4.0	mg/L	MCAWW 160.2
CO131391 12/20/05 13:00 002				
Total Dissolved Solids	530	10	mg/L	MCAWW 160.1
CO131405 12/20/05 13:00 003				
Total Dissolved Solids	510	10	mg/L	MCAWW 160.1

ANALYTICAL METHODS SUMMARY

A5L220296

PARAMETER	ANALYTICAL METHOD
Filterable Residue (TDS)	MCAWW 160.1
Non-Filterable Residue (TSS)	MCAWW 160.2

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SAMPLE SUMMARY

A5L220296

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HTNQR	001	CO131381	12/20/05	13:00
HTNQX	002	CO131391	12/20/05	13:00
HTNQ0	003	CO131405	12/20/05	13:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages
- All calculations are performed before rounding to avoid round-off errors in calculated results
- *Results noted as "ND" were not detected at or above the stated limit*
- This report must not be reproduced, except in full, without the written approval of the laboratory
- Results for the following parameters are never reported on a dry weight basis color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

EXYGEN RESEARCH

Client Sample ID: CO131381

General Chemistry

Lot-Sample #...: A5L220296-001 **Work Order #...:** HTNQR **Matrix.....:** WG
Date Sampled...: 12/20/05 13:00 **Date Received..:** 12/22/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids	550	10	mg/L	MCAWW 160.1	12/23-12/27/05	5357326
	Dilution Factor 1					
Total Suspended Solids	33	4.0	mg/L	MCAWW 160.2	12/23/05	5357322
	Dilution Factor: 1					

EXYGEN RESEARCH

Client Sample ID: CO131391

General Chemistry

Lot-Sample #...: A5L220296-002 **Work Order #...:** HTNQX **Matrix.....:** WG
Date Sampled...: 12/20/05 13:00 **Date Received..:** 12/22/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids	**530**	**10**	**mg/L**	**MCAWW 160.1**	**12/23-12/27/05**	**5357326**
	Dilution Factor: 1					
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	12/23/05	5357322
	Dilution Factor: 1					

EXYGEN RESEARCH

Client Sample ID: CO131405

General Chemistry

Lot-Sample #...: A5L220296-003 **Work Order #...:** HTNQ0 **Matrix.....:** WG
Date Sampled...: 12/20/05 13:00 **Date Received..:** 12/22/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids	**510**	**10**	**mg/L**	**MCAWW 160.1**	**12/23-12/27/05**	**5357326**
	Dilution Factor: 1					
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	12/23/05	5357322
	Dilution Factor: 1					

SEVERN TRENT STL

QUALITY CONTROL SECTION

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A5L220296 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		Work Order #: HTQXK1AA		MB Lot-Sample #:	A5L230000-326	
	ND	10	mg/L	MCAWW 160.1	12/23-12/27/05	5357326
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: HTQVJ1AA		MB Lot-Sample #:	A5L230000-322	
	ND	4.0	mg/L	MCAWW 160.2	12/23/05	5357322
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A5L220296 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		Work Order #: HTQXK1AC	LCS Lot-Sample#: A5L230000-326		
	98	(88 - 110)	MCAWW 160.1	12/23-12/27/05	5357326
		Dilution Factor: 2			
Total Suspended Solids		Work Order #: HTQVJ1AC	LCS Lot-Sample#: A5L230000-322		
	95	(73 - 113)	MCAWW 160.2	12/23/05	5357322
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A5L220296 **Work Order #...:** HTMHJ-SMP **Matrix.....:** WATER
HTMHJ-DUP
Date Sampled...: 12/21/05 14:00 **Date Received..:** 12/22/05

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #: A5L220160-001		
	13	11	mg/L	17	(0-20)	MCAWW 160.2	12/23/05	5357322

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A5L220296 **Work Order #...:** HTF8X-SMP **Matrix.....:** WATER
HTF8X-DUP
Date Sampled...: 12/16/05 08:30 **Date Received..:** 12/20/05

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: A5L200193-014		
	620	610	mg/L	2.9	(0-20)	MCAWW 160.1	12/23-12/27/05	5357326
			Dilution Factor 1					

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A5L220296 **Work Order #...:** HTNQ5-SMP HTNQ5-DUP **Matrix.....:** WATER

Date Sampled...: 12/22/05 12:05 **Date Received..:** 12/22/05

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: A5L220299-001		
	255	252	mg/L	1.2	(0-20)	MCAWW 160.1	12/23-12/27/05	5357327

Dilution Factor: 1

Exygen RESEARCH

CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

Exygen Research Sample Receiving • 3048 Research Drive • State College, PA 16801, USA
T: 814.231.8032 • F: 814.231.1580 • exygenresearch.com

Page 1 of 1

PROJECT INFORMATION

Client (name & address): Exygen Research

Project Manager (Name & E-mail Address): Jeff Bise

Project Name:

Phone:

Fax:

Sampler:

P.O. #: 669TJB10

Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

ANALYSES REQUESTED

TSS TDS

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments
	CO131381	12/6/05	1300			1	Water	
	CO131391	12/6/05	1300			1	Water	
	CO131405	12/6/05	1300			1	Water	

LAB USE ONLY

CHAIN OF CUSTODY

Relinquished by	Date	Time
	12/6/05	1549

Cooler ID # _____ Cooler Temp. (°C) _____

Received by	Date	Time
Jennifer Miller	12/7/05	11:45

LAB USE ONLY

PROJECT REQUIREMENTS

Results Deadline:

Laboratory Report Options:

- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other _____

OTHER INFORMATION

REV. 2-03

STL North Canton

STL Cooler Receipt Form/Narrative **Lot Number:** A5L220296

North Canton Facility

Client: Exygen Research Project: _____ Quote#: _____

Cooler Received on: 12-22-05 Opened on: 12-22-05 by Jennifer Miller (Signature)

Fedx ☐ Client Drop Off ☐ UPS ☑ DHL ☐ FAS ☐ STL Courier ☐

Stetson ☐ US Cargo ☐ Other: _____

STL Cooler No# _____ Foam Box ☑ Client Cooler ☐ Other _____

1. Were custody seals on the outside of the cooler? Yes ☐ No ☑ Intact? Yes ☐ No ☐ NA ☑
   If YES, Quantity _____
   Were the custody seals signed and dated? Yes ☐ No ☐ NA ☑
2. Shipper's packing slip attached to this form? Yes ☑ No ☐ NA ☐
3. Did custody papers accompany the samples? Yes ☑ No ☐ Relinquished by client? Yes ☑ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☑ No ☐
5. Packing material used: Bubble Wrap ☑ Foam ☐ None ☐ Other : _____
6. Cooler temperature upon receipt 5.1 °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☑ ICE/H_2O Slurry ☐

COOLANT: Wet Ice ☑ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Did all bottles arrive in good condition (Unbroken)? Yes ☑ No ☐
8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☑ No ☐
9. Were samples at the correct pH? (record below/on back) Yes ☐ No ☐ NA ☑
10. Were correct bottles used for the tests indicated? Yes ☑ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☐ NA ☑
12. Sufficient quantity received to perform indicated analyses? Yes ☑ No ☐
13. Was a Trip Blank present in the cooler? Yes ☐ No ☑ Were VOAs on the COC? Yes ☐ No ☑
14. Does the trip blank number match the cooler number in which it was received? Yes ☐ No ☐ NA ☑

Contacted PM FJC Date: 12/22/05 by: _____ via Voice Mail ☐ Verbal ☑ Other ☐

Concerning: Tests on Labels

√	
	1. CHAIN OF CUSTODY
√	The following discrepancies occurred: pH is not listed on COC, is listed on bottles - all samples. Will not log for pH per FJC.
	2. SAMPLE CONDITION
	Sample(s) _____ were received after the recommended holding time had expired.
	Sample(s) _____ were received in a broken container.
	3. SAMPLE PRESERVATION
	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot # 100405-HNO3; Sulfuric Acid Lot # 100405-H2SO4; Sodium Hydroxide Lot # -100405 -NaOH; Hydrochloric Acid Lot # 100504-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH3COO2ZN/NaOH*
	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)
	4. Other (see below or back)

Client ID	pH	Date	Initials

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler	Temp	Method	Coolant

Discrepancies Cont.

SEVERN TRENT STL

END OF REPORT

Attachment E

Data Summary, Severn Trent Laboratories (Knoxville)

SEVERN TRENT STL

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921

Tel: 865 291 3000 Fax: 865 584 4315
www.stl-inc.com

ANALYTICAL REPORT

State College - TO14

Lot #: H5L220269

Jeff Biss

Exygen Research
3058 Research Drive
State College, PA 16801

SEVERN TRENT LABORATORIES, INC.

Scott A. Harris
Project Manager

December 29, 2005

Original Chain of Custody Documentation

H5L220269

Exygen RESEARCH

CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

Exygen Research Sample Receiving • 3048 Research Drive • State College, PA 16801, USA
T: 814.231.8032 • F: 814.231.1580 • exygenresearch.com

Page _____ of _____

PROJECT INFORMATION

Client (name & address): Exygen Research

Project Manager (Name & E-mail Address): Jeff Riss

Project Name:

Phone:

Fax:

Sampler:

P.O. #: 0414

Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

ANALYSES REQUESTED

Vapor VOC - 8260

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments	Vapor VOC - 8260						
	C0131413	12/6/05	1300				Air		X						
	C0131414	12/6/05	1300				Air		X						

LAB USE ONLY

CHAIN OF CUSTODY

Relinquished by	Date	Time
	12/6/05	1630

Cooler ID # _____ Cooler Temp. (°C) _____

Received by	Date	Time
	12/22/05	1400

LAB USE ONLY

PROJECT REQUIREMENTS

Results Deadline: _____

Laboratory Report Options:

- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other _____

OTHER INFORMATION

1-Box-UPS Custody seal present 2-cans
Rec. temp Ambient tracking 1Z465 7X501 4658 1064 0-Flows

REV 2-03

EXECUTIVE SUMMARY - Detection Highlights

H5L220269

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
CO131413 12/20/05 13:00 001				
Ethylbenzene	3.6	1.0	ppb(v/v)	EPA-19 TO-14
m-Xylene & p-Xylene	17	1.0	ppb(v/v)	EPA-19 TO-14
o-Xylene	6.1	1.0	ppb(v/v)	EPA-19 TO-14
1,2-Dichlorobenzene	1.1	1.0	ppb(v/v)	EPA-19 TO-14

ANALYTICAL METHODS SUMMARY

H5L220269

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO14	EPA-19 TO-14

References:

EPA-19 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA/600/4-89/017, January 1988

SAMPLE SUMMARY

H5L220269

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HTNDW	001	CO131413	12/20/05	13:0(
HTND3	002	CO131414	12/20/05	13:0(

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages
- All calculations are performed before rounding to avoid round-off errors in calculated results
- Results noted as "ND" were not detected at or above the stated limit
- This report must not be reproduced, except in full, without the written approval of the laboratory
- Results for the following parameters are never reported on a dry weight basis color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

PROJECT NARRATIVE
H5L220269

The results reported herein are applicable to the samples submitted for analysis only.

This report shall not be reproduced except in full, without the written approval of the laboratory.

The original chain of custody documentation is included with this report.

Sample Receipt

There were no problems with the condition of the samples received.

Quality Control

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

EXYGEN RESEARCH

Client Sample ID: CO131413

GC/MS Volatiles

Lot-Sample #...: H5L220269-001 **Work Order #...:** HTNDW1AA **Matrix.....:** AIR
Date Sampled...: 12/20/05 **Date Received..:** 12/22/05
Prep Date.....: 12/22/05 **Analysis Date..:** 12/23/05
Prep Batch #...: 5357047
Dilution Factor: 1.23 **Method.....:** EPA-19 TO-14

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromodichloromethane	ND	1.0	ppb(v/v)
Bromoform	ND	1.0	ppb(v/v)
Dibromochloromethane	ND	1.0	ppb(v/v)
Dibromomethane	ND	1.0	ppb(v/v)
trans-1,2-Dichloroethene	ND	1.0	ppb(v/v)
Cumene	ND	1.0	ppb(v/v)
n-Propylbenzene	ND	1.0	ppb(v/v)
1,2,3-Trichloropropane	ND	2.5	ppb(v/v)
Dichlorodifluoromethane	ND	2.0	ppb(v/v)
Vinyl chloride	ND	2.0	ppb(v/v)
Chloroethane	ND	2.0	ppb(v/v)
Trichlorofluoromethane	ND	2.0	ppb(v/v)
1,1-Dichloroethene	ND	1.0	ppb(v/v)
1,1-Dichloroethane	ND	1.0	ppb(v/v)
cis-1,2-Dichloroethene	ND	1.0	ppb(v/v)
Chloroform	ND	1.0	ppb(v/v)
1,1,1-Trichloroethane	ND	1.0	ppb(v/v)
Carbon tetrachloride	ND	1.0	ppb(v/v)
Benzene	ND	1.0	ppb(v/v)
1,2-Dichloroethane	ND	1.0	ppb(v/v)
Trichloroethene	ND	1.0	ppb(v/v)
1,2-Dichloropropane	ND	1.0	ppb(v/v)
cis-1,3-Dichloropropene	ND	1.0	ppb(v/v)
Toluene	ND	1.0	ppb(v/v)
trans-1,3-Dichloropropene	ND	1.0	ppb(v/v)
1,1,2-Trichloroethane	ND	1.0	ppb(v/v)
Tetrachloroethene	ND	1.0	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	1.0	ppb(v/v)
Chlorobenzene	ND	1.0	ppb(v/v)
Ethylbenzene	**3.6**	**1.0**	**ppb(v/v)**
m-Xylene & p-Xylene	**17**	**1.0**	**ppb(v/v)**
o-Xylene	**6.1**	**1.0**	**ppb(v/v)**
Styrene	ND	1.0	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	1.0	ppb(v/v)
1,3,5-Trimethylbenzene	ND	1.0	ppb(v/v)
1,3-Dichlorobenzene	ND	1.0	ppb(v/v)
1,4-Dichlorobenzene	ND	1.0	ppb(v/v)
1,2-Dichlorobenzene	**1.1**	**1.0**	**ppb(v/v)**

(Continued on next page)

EXYGEN RESEARCH

Client Sample ID: CO131413

GC/MS Volatiles

Lot-Sample #...: H5L220269-001 **Work Order #...:** HTNDW1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(70 - 130)
Toluene-d8	108	(70 - 130)
4-Bromofluorobenzene	106	(70 - 130)

EXYGEN RESEARCH

CO131413

GC/MS Volatiles

Lot-Sample #: H5L220269-001 **Work Order #:** HTNDW1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Methyl Alcohol	67-56-1	110 NJ	M	3.982	ppb(v/v)
Butane	106-97-8	1.5 NJ	M	4.1114	ppb(v/v)
Ethyl alcohol	64-17-5	1.5 NJ	M	4.6668	ppb(v/v)
Acetonitrile	75-05-8	1.3 NJ	M	5.2384	ppb(v/v)
Acetone	67-64-1	1.3 NJ	M	5.2869	ppb(v/v)
Methyl Isobutyl Ketone	108-10-1	1.9 NJ	M	12.917	ppb(v/v)
Benzene, 1-ethyl-3-methyl-	620-14-4	2.7 NJ	M	18.012	ppb(v/v)
Benzene, 1,2,4-trimethyl-	95-63-6	4.5 NJ	M	18.552	ppb(v/v)

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

EXYGEN RESEARCH

Client Sample ID: CO131414

GC/MS Volatiles

Lot-Sample #...: H5L220269-002 **Work Order #...:** HTND31AA **Matrix.....:** AIR
Date Sampled...: 12/20/05 **Date Received..:** 12/22/05
Prep Date.....: 12/22/05 **Analysis Date..:** 12/23/05
Prep Batch #...: 5357047
Dilution Factor: 1.22 **Method.....:** EPA-19 TO-14

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromodichloromethane	ND	1.0	ppb(v/v)
Bromoform	ND	1.0	ppb(v/v)
Dibromochloromethane	ND	1.0	ppb(v/v)
Dibromomethane	ND	1.0	ppb(v/v)
trans-1,2-Dichloroethene	ND	1.0	ppb(v/v)
Cumene	ND	1.0	ppb(v/v)
n-Propylbenzene	ND	1.0	ppb(v/v)
1,2,3-Trichloropropane	ND	2.5	ppb(v/v)
Dichlorodifluoromethane	ND	2.0	ppb(v/v)
Vinyl chloride	ND	2.0	ppb(v/v)
Chloroethane	ND	2.0	ppb(v/v)
Trichlorofluoromethane	ND	2.0	ppb(v/v)
1,1-Dichloroethene	ND	1.0	ppb(v/v)
1,1-Dichloroethane	ND	1.0	ppb(v/v)
cis-1,2-Dichloroethene	ND	1.0	ppb(v/v)
Chloroform	ND	1.0	ppb(v/v)
1,1,1-Trichloroethane	ND	1.0	ppb(v/v)
Carbon tetrachloride	ND	1.0	ppb(v/v)
Benzene	ND	1.0	ppb(v/v)
1,2-Dichloroethane	ND	1.0	ppb(v/v)
Trichloroethene	ND	1.0	ppb(v/v)
1,2-Dichloropropane	ND	1.0	ppb(v/v)
cis-1,3-Dichloropropene	ND	1.0	ppb(v/v)
Toluene	ND	1.0	ppb(v/v)
trans-1,3-Dichloropropene	ND	1.0	ppb(v/v)
1,1,2-Trichloroethane	ND	1.0	ppb(v/v)
Tetrachloroethene	ND	1.0	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	1.0	ppb(v/v)
Chlorobenzene	ND	1.0	ppb(v/v)
Ethylbenzene	ND	1.0	ppb(v/v)
m-Xylene & p-Xylene	ND	1.0	ppb(v/v)
o-Xylene	ND	1.0	ppb(v/v)
Styrene	ND	1.0	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	1.0	ppb(v/v)
1,3,5-Trimethylbenzene	ND	1.0	ppb(v/v)
1,3-Dichlorobenzene	ND	1.0	ppb(v/v)
1,4-Dichlorobenzene	ND	1.0	ppb(v/v)
1,2-Dichlorobenzene	ND	1.0	ppb(v/v)

(Continued on next page)

EXYGEN RESEARCH

Client Sample ID: CO131414

GC/MS Volatiles

Lot-Sample #...: H5L220269-002 **Work Order #...:** HTND31AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(70 - 130)
Toluene-d8	107	(70 - 130)
4-Bromofluorobenzene	105	(70 - 130)

EXYGEN RESEARCH

CO131414

GC/MS Volatiles

Lot-Sample #: H5L220269-002 **Work Order #:** HTND31AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Difluorochloromethane	75-45-6	12 NJ	M	3.6045	ppb(v/v)
Methyl Alcohol	67-56-1	54 NJ	M	3.9712	ppb(v/v)
Butane	106-97-8	1.3 NJ	M	4.1114	ppb(v/v)
Ethyl alcohol	64-17-5	1.6 NJ	M	4.656	ppb(v/v)
Methyl Isobutyl Ketone	108-10-1	3.0 NJ	M	12.911	ppb(v/v)

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H5L220269 **Work Order #...:** HTPM91AA **Matrix.....:** AIR
MB Lot-Sample #: H5L230000-047

Prep Date.....: 12/22/05
Analysis Date..: 12/22/05 **Prep Batch #...:** 5357047
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Bromodichloromethane	ND	0.20	ppb(v/v)	EPA-19 TO-14
Bromoform	ND	0.20	ppb(v/v)	EPA-19 TO-14
Dibromochloromethane	ND	0.20	ppb(v/v)	EPA-19 TO-14
Dibromomethane	ND	0.40	ppb(v/v)	EPA-19 TO-14
trans-1,2-Dichloroethene	ND	0.20	ppb(v/v)	EPA-19 TO-14
Cumene	ND	0.40	ppb(v/v)	EPA-19 TO-14
n-Propylbenzene	ND	0.40	ppb(v/v)	EPA-19 TO-14
1,2,3-Trichloropropane	ND	0.50	ppb(v/v)	EPA-19 TO-14
Dichlorodifluoromethane	ND	0.20	ppb(v/v)	EPA-19 TO-14
Vinyl chloride	ND	0.20	ppb(v/v)	EPA-19 TO-14
Chloroethane	ND	0.20	ppb(v/v)	EPA-19 TO-14
Trichlorofluoromethane	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,1-Dichloroethene	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,1-Dichloroethane	ND	0.20	ppb(v/v)	EPA-19 TO-14
cis-1,2-Dichloroethene	ND	0.20	ppb(v/v)	EPA-19 TO-14
Chloroform	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,1,1-Trichloroethane	ND	0.20	ppb(v/v)	EPA-19 TO-14
Carbon tetrachloride	ND	0.20	ppb(v/v)	EPA-19 TO-14
Benzene	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,2-Dichloroethane	ND	0.20	ppb(v/v)	EPA-19 TO-14
Trichloroethene	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,2-Dichloropropane	ND	0.20	ppb(v/v)	EPA-19 TO-14
cis-1,3-Dichloropropene	ND	0.20	ppb(v/v)	EPA-19 TO-14
Toluene	ND	0.20	ppb(v/v)	EPA-19 TO-14
trans-1,3-Dichloropropene	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,1,2-Trichloroethane	ND	0.20	ppb(v/v)	EPA-19 TO-14
Tetrachloroethene	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,2-Dibromoethane (EDB)	ND	0.20	ppb(v/v)	EPA-19 TO-14
Chlorobenzene	ND	0.20	ppb(v/v)	EPA-19 TO-14
Ethylbenzene	ND	0.20	ppb(v/v)	EPA-19 TO-14
m-Xylene & p-Xylene	ND	0.20	ppb(v/v)	EPA-19 TO-14
o-Xylene	ND	0.20	ppb(v/v)	EPA-19 TO-14
Styrene	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,1,2,2-Tetrachloroethane	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,3,5-Trimethylbenzene	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,3-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,4-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,2-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-19 TO-14

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H5L220269 **Work Order #...:** HTPM91AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(70 - 130)
Toluene-d8	108	(70 - 130)
4-Bromofluorobenzene	98	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

EXYGEN RESEARCH

Method Blank Report

GC/MS Volatiles

Lot-Sample #: H5L230000-047 B **Work Order #:** HTPM91AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ppb(v/v)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H5L220269 **Work Order #...:** HTPM91AC **Matrix.....:** AIR
LCS Lot-Sample#: H5L230000-047
Prep Date.....: 12/22/05 **Analysis Date..:** 12/22/05
Prep Batch #...: 5357047
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**95**	**(70 - 130)**	**EPA-19 TO-14**
Benzene	**92**	**(70 - 130)**	**EPA-19 TO-14**
Trichloroethene	**90**	**(70 - 130)**	**EPA-19 TO-14**
Toluene	**100**	**(70 - 130)**	**EPA-19 TO-14**
Chlorobenzene	**98**	**(70 - 130)**	**EPA-19 TO-14**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(70 - 130)
Toluene-d8	102	(70 - 130)
4-Bromofluorobenzene	97	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: H5L220269 **Work Order #...:** HTPM91AC **Matrix.....:** AIR
LCS Lot-Sample#: H5L230000-047
Prep Date.....: 12/22/05 **Analysis Date..:** 12/22/05
Prep Batch #...: 5357047
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**9.46**	**ppb(v/v)**	**95**	**EPA-19 TO-14**
Benzene	**10.0**	**9.16**	**ppb(v/v)**	**92**	**EPA-19 TO-14**
Trichloroethene	**10.0**	**8.96**	**ppb(v/v)**	**90**	**EPA-19 TO-14**
Toluene	**10.0**	**9.98**	**ppb(v/v)**	**100**	**EPA-19 TO-14**
Chlorobenzene	**10.0**	**9.79**	**ppb(v/v)**	**98**	**EPA-19 TO-14**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(70 - 130)
Toluene-d8	102	(70 - 130)
4-Bromofluorobenzene	97	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

H5L220269

Exygen RESEARCH

CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

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Page ____ of ____

PROJECT INFORMATION

Client (name & address): Exygen Research

Project Manager (Name & E-mail Address): Jeff Riss

Phone: ____

Fax: ____

Sampler: ____

Project Name: ____

P.O. #: 0414

Quotation #: ____

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

ANALYSES REQUESTED

Vapor VOC - 8260

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments	Vapor VOC - 8260						
	C0131413	12/20/05	1300				Air		X						
	C0131414	12/20/05	1300				Air		X						

LAB USE ONLY

CHAIN OF CUSTODY

Relinquished by	Date	Time
[signature]	12/21/05	1630

Cooler ID # ____ Cooler Temp. (°C) ____

Received by	Date	Time
[signature]	12/22/05	1400

LAB USE ONLY

PROJECT REQUIREMENTS

Results Deadline: ____

Laboratory Report Options:

- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other ____

OTHER INFORMATION

1-box-UPS Custody seal present 2-cans
Rec. temp Ambient tracking 1Z 465 7X5014 6581064 0-Flows

REV. 2-03

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STL KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: Exygen **Project:** _____ **Lot Number:** 450220269

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ 1a Do not match COC ☐ 1b Incomplete information ☐ 1c Marking smeared ☐ 1d Label torn ☐ 1e No label ☐ 1f COC not received ☐ 1g Other:	
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)	✓			☐ 2a Temp Blank = _____ ☐ 2b Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ 3a Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?	✓			☐ 4a Not present ☐ 4b Not intact ☐ 4c Other:	
5. Were all of the samples listed on the COC received?	✓			☐ 5a Samples received-not on COC ☐ 5b Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ 6a Leaking ☐ 6b Broken	
7. Were VOA samples received without headspace?			✓	☐ 7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ 8a Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ 9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ 10a Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For SOG water samples (1613B, 1668A, 8290, LR PAHs), do samples have visible solids present?			✓	If yes & appears to be >1%, was SOG notified? _____	
13. Are the shipping containers intact?	✓			☐ 13a Leaking ☐ 13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ 14a Not relinquished by client	
15. Are tests/parameters listed for each sample?	✓			☐ 15a Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ 15a Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ 15a Incomplete information	
18. Is the client and project name/# identified?	✓			☐ 15a Incomplete information	
19. Was the sampler identified on the COC?			✓		

Quote #: 51366 PM Instructions: _____

Sample Receiving Associate: _____ Date: 12/22/05

Attachment F

Data Summary, Severn Trent Laboratories (Todd Giddings & Associates)

TODD GIDDINGS and ASSOCIATES, INC.
HYDROGEOLOGISTS and ENGINEERS
3049 Enterprise Drive — State College, PA 16801 — Phone (814) 238-5927

December 27, 2005

Mr. Jeff Biss
Exygen Research
3117 Research Dr.
State College, PA 16801

*****ANALYTICAL LABORATORY REPORT*****

Sample Identification: L7057-3 (Outfall)

Date Collected: 12/20/05 Time Collected: 1300

Lab ID Number: 58987 Collected By: --

Analyte:	**Result:**	**Analyzed by: Date/Time:**
BOD (mg/l) SM 5210	< 2	DB 12/22/05 @ 1045

Submitted By: _____
Diane Bopp
Laboratory Manager

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Pittsburgh, PA 15238

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ANALYTICAL REPORT

PROJECT NO. EXYGEN RESEARCH

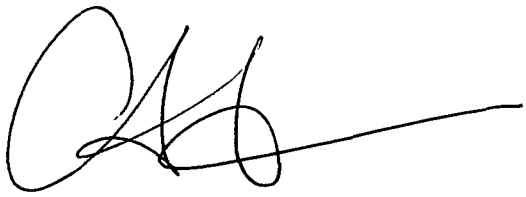
Exygen Research

Lot #: C5L220108

Jeff Biss

Exygen Research

SEVERN TRENT LABORATORIES, INC.



Christina M. Kovitch
Project Manager

January 6, 2006

SEVERN TRENT STL

ACCREDITED IN ACCORDANCE WITH nelac

NELAC REPORTING:

The format and content of the attached report meets NELAC standards and guidelines except as noted in the narrative. The table below presents a summary of the certifications held by STL Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	STL Pittsburgh
NFESC	NA	NAVY	X
USACE	NA	Corps of Engineers	X
US Dept of Agriculture	(#S-46425)	Foreign Soil Import Permit	X
Arkansas	(#03-022-1)	WW	X
		HW	X
California – nelac	04224CA	WW	X
		HW	X
Connecticut	(#PH-0688)	WW	X
		HW	X
Florida – nelac	(#E87660)	WW	X
		HW	X
Illinois – nelac	(#200005)	WW	X
		HW	X
Kansas – nelac	(#E-10350)	WW	X
		HW	X
Louisiana – nelac	(#93200)	WW	X
		HW	X
New Hampshire – nelac	(#203002)	WW	X
		–	–
New Jersey – nelac	(PA-005)	WW	X
		HW	X
New York – nelac	(#11182)	WW	X
		HW	X
North Carolina	(#434)	WW	X
		HW	X
North Dakota	R-075	WW	X
		HW	X
Ohio Vap	(#CL0063)	WW	X
		HW	X
Pennsylvania - nelac	(#02-00416)	WW	X
		HW	X
South Carolina	(#89014001)	WW	X
		HW	X
Utah – nelac	(STLP)	WW	X
		HW	X
West Virginia	(#142)	WW	X
		HW	X
Wisconsin	998027800	WW	X
		HW	X

The codes utilized for program types are described below:

HW Hazardous Waste certification
WW Non-potable Water and/or Wastewater certification
X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing Please contact the laboratory if parameter specific certification information is required.

CASE NARRATIVE
EXYGEN RESEARCH

LOT # C5L220108

Sample Receiving:
STL Pittsburgh received samples on December 22, 2005. The cooler was received within the proper temperature range.

The sample ID's were taken from the sample bottles instead of the chain of custody as per instruction from the project manager.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

Metals:
The method blank had analytes detected at concentrations between the MDL and the reporting limit. The results were flagged with a "B" qualifier. Any sample associated with a method blank that had the same analyte detected had the result flagged with a "J" qualifier.

General Chemistry:
The STL North Canton, OH laboratory performed the n-hexane extractable material analysis. All results are included in the report.

The samples were received outside of the holding time for pH.

Sample L0007057-0003 was analyzed at a dilution for ammonia.

The MSD recovery was outside of the control limits for ammonia. All associated results were flagged with an "N" qualifier.

METHODS SUMMARY

C5L220108

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
pH (Electrometric)	MCAWW 150.1	MCAWW 150.1
Free Cyanide	SM18 4500-CN-I	SM18 4500-CN I
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
N-Hexane Extractable Material (1664A)	CFR136A 1664A H	CFR136A 1664
Nitrogen, Ammonia	MCAWW 350.1	MCAWW 350.1
Total Organic Carbon	MCAWW 415.1	MCAWW 415.1
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3010A

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

C5L220108

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HTL5C	001	L0007057-0001	12/20/05	13:00
HTL5H	002	L0007057-0002	12/20/05	13:00
HTL5J	003	L0007057-0003	12/20/05	13:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results
- Results noted as "ND" were not detected at or above the stated limit
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

C5I220108

Exygen RESEARCH

CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

Exygen Research Sample Receiving • 3048 Research Drive • State College, PA 16801, USA
T: 814.231.8032 • F: 814.231.1580 • exygenresearch.com

Page ____ of ____

PROJECT INFORMATION

Client (name & address): Exygen Research

Project Manager (Name & E-mail Address): Jeff Biss

Project Name:

Phone:

Fax:

Sampler:

P.O. #: 6691JB16

Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments	pH	Cr VI Free	NH3	TOC, O&G	Ag, Al, Hg, As, Be, Cd, Cr, Fe, Ni, Pb, Sb, Tl, Zn
	C0131382	12/20/05	1300			1	Water		1				
	C0131392	12/20/05	1300			1	Water		1				
	C0131404	12/20/05	1300			1	Water		1				
	C0131407	12/20/05	1300			1	Water			1			
	C0131410	12/20/05	1300			1	Water				1		
	C0131402	12/20/05	1300			1	Water					1	
	C0131403	12/20/05	1300			1	Water					1	
	C0131408	12/20/05	1300			1	Water						1

LAB USE ONLY

CHAIN OF CUSTODY

Relinquished by	Date	Time
	12/21/05	1614

Cooler ID # _____ Cooler Temp. (°C) ____

Received by	Date	Time
	12-22-05	0930

LAB USE ONLY

PROJECT REQUIREMENTS

Results Deadline:

Laboratory Report Options:

- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other _____

OTHER INFORMATION

REV 2-03

EXYGEN RESEARCH

Client Sample ID: L0007057-0001

General Chemistry

Lot-Sample #...: C5L220108-001 Work Order #...: HTL5C Matrix.....: WATER
Date Sampled...: 12/20/05 Date Received..: 12/22/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	7.1	--	No Units	MCAWW 150.1	12/22/05	5356354

Dilution Factor: 1 Analysis Time..: 14:06 MS Run #..... 5356215

EXYGEN RESEARCH

Client Sample ID: L0007057-0002

General Chemistry

Lot-Sample #...: C5L220108-002 **Work Order #...:** HTL5H **Matrix.....:** WATER
Date Sampled...: 12/20/05 **Date Received..:** 12/22/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	**8.2**	--	**No Units**	**MCAWW 150.1**	**12/22/05**	**5356354**

Dilution Factor: 1 Analysis Time..: 14:08 MS Run #..... 5356215

EXYGEN RESEARCH

Client Sample ID: L0007057-0003

TOTAL Metals

Lot-Sample #...: C5L220108-003 **Matrix.....:** WATER
Date Sampled...: 12/20/05 **Date Received..:** 12/22/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5363163						
Silver	**0.00074 B,J**	**0.0050**	**mg/L**	**SW846 6010B**	**12/30-01/03/06**	**HTL5J1AG**
		Dilution Factor: 1		Analysis Time..: 17:31	MS Run #.....: 5363107	
Aluminum	**0.053 B,J**	**0.20**	**mg/L**	**SW846 6010B**	**12/30-01/03/06**	**HTL5J1AH**
		Dilution Factor: 1		Analysis Time..: 17:31	MS Run #.....: 5363107	
Arsenic	0.0069 B	0.010	mg/L	SW846 6010B	12/30-01/03/06	HTL5J1AJ
		Dilution Factor: 1		Analysis Time..: 17:31	MS Run #.....: 5363107	
Beryllium	**0.00047 B,J**	**0.0040**	**mg/L**	**SW846 6010B**	**12/30-01/03/06**	**HTL5J1AK**
		Dilution Factor: 1		Analysis Time..: 17:31	MS Run #.....: 5363107	
Cadmium	ND	0.0050	mg/L	SW846 6010B	12/30-01/03/06	HTL5J1AL
		Dilution Factor: 1		Analysis Time..: 17:31	MS Run #.....: 5363107	
Chromium	ND	0.0050	mg/L	SW846 6010B	12/30-01/03/06	HTL5J1AM
		Dilution Factor: 1		Analysis Time..: 17:31	MS Run #.....: 5363107	
Copper	ND	0.025	mg/L	SW846 6010B	12/30-01/03/06	HTL5J1AN
		Dilution Factor: 1		Analysis Time..: 17:31	MS Run #.....: 5363107	
Iron	**0.20**	**0.10**	**mg/L**	**SW846 6010B**	**12/30-01/03/06**	**HTL5J1AP**
		Dilution Factor: 1		Analysis Time..: 17:31	MS Run #.....: 5363107	
Nickel	**0.0083 B,J**	**0.040**	**mg/L**	**SW846 6010B**	**12/30-01/03/06**	**HTL5J1AQ**
		Dilution Factor: 1		Analysis Time..: 17:31	MS Run #.....: 5363107	
Lead	ND	0.0030	mg/L	SW846 6010B	12/30-01/03/06	HTL5J1AR
		Dilution Factor: 1		Analysis Time..: 17:31	MS Run #.....: 5363107	
Antimony	**0.0052 B**	**0.010**	**mg/L**	**SW846 6010B**	**12/30-01/03/06**	**HTL5J1AT**
		Dilution Factor: 1		Analysis Time..: 17:31	MS Run #.....: 5363107	
Thallium	ND	0.010	mg/L	SW846 6010B	12/30-01/03/06	HTL5J1AU
		Dilution Factor: 1		Analysis Time..: 17:31	MS Run #.....: 5363107	

(Continued on next page)

EXYGEN RESEARCH

Client Sample ID: L0007057-0003

TOTAL Metals

Lot-Sample #...: C5L220108-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**0.020 J**	**0.020**	**mg/L**	**SW846 6010B**	**12/30-01/03/06**	**HTL5J1AV**
		Dilution Factor: 1		Analysis Time..: 17:31	MS Run #.....: 5363107	
Prep Batch #...: 6003036						
Mercury	ND	0.20	ug/L	SW846 7470A	01/03/06	HTL5J1AA
		Dilution Factor: 1		Analysis Time..: 11:01	MS Run #.....: 6003024	

NOTE(S):

B Estimated result. Result is less than RL

J Method blank contamination. The associated method blank contains the target analyte at a reportable level

EXYGEN RESEARCH

Client Sample ID: L0007057-0003

General Chemistry

Lot-Sample #...: C5L220108-003 **Work Order #...:** HTL5J **Matrix.....:** WATER
Date Sampled...: 12/20/05 **Date Received..:** 12/22/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	12/30/05	5364273
		Dilution Factor: 1		Analysis Time..: 00.00	MS Run #.....	
pH	**8.4**	--	**No Units**	**MCAWW 150.1**	**12/22/05**	**5356354**
		Dilution Factor: 1		Analysis Time..: 14:10	MS Run #.....	5356215
Ammonia Nitrogen	7.1	0.50	mg/L	MCAWW 350.1	12/23/05	5357026
		Dilution Factor: 5		Analysis Time: 11:17	MS Run #.....	5357021
Cyanide (Free)	ND	0.010	mg/L	SM18 4500-CN-I	12/29-12/30/05	5363322
		Dilution Factor: 1		Analysis Time..: 11:42	MS Run #.....	5363239
Total Organic Carbon (TOC)	ND	1.0	mg/L	MCAWW 415.1	12/22/05	5357233
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....	5357165

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C5L220108 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C5L290000-163 **Prep Batch #...:** 5363163						
Aluminum	**0.020 B**	**0.20**	**mg/L**	**SW846 6010B**	**12/30-01/03/06**	**HTXDK1AC**
		Dilution Factor: 1				
		Analysis Time..: 17:09				
Antimony	ND	0.010	mg/L	SW846 6010B	12/30-01/03/06	HTXDK1AM
		Dilution Factor: 1				
		Analysis Time..: 17:09				
Arsenic	ND	0.010	mg/L	SW846 6010B	12/30-01/03/06	HTXDK1AD
		Dilution Factor: 1				
		Analysis Time..: 17:09				
Beryllium	**0.00058 B**	**0.0040**	**mg/L**	**SW846 6010B**	**12/30-01/03/06**	**HTXDK1AE**
		Dilution Factor: 1				
		Analysis Time..: 17:09				
Cadmium	ND	0.0050	mg/L	SW846 6010B	12/30-01/03/06	HTXDK1AF
		Dilution Factor: 1				
		Analysis Time..: 17:09				
Chromium	ND	0.0050	mg/L	SW846 6010B	12/30-01/03/06	HTXDK1AG
		Dilution Factor: 1				
		Analysis Time..: 17:09				
Copper	ND	0.025	mg/L	SW846 6010B	12/30-01/03/06	HTXDK1AH
		Dilution Factor: 1				
		Analysis Time..: 17:09				
Iron	ND	0.10	mg/L	SW846 6010B	12/30-01/03/06	HTXDK1AJ
		Dilution Factor: 1				
		Analysis Time..: 17:09				
Lead	ND	0.0030	mg/L	SW846 6010B	12/30-01/03/06	HTXDK1AL
		Dilution Factor: 1				
		Analysis Time..: 17:09				
Nickel	**0.0014 B**	**0.040**	**mg/L**	**SW846 6010B**	**12/30-01/03/06**	**HTXDK1AK**
		Dilution Factor: 1				
		Analysis Time..: 17:09				
Silver	**0.00050 B**	**0.0050**	**mg/L**	**SW846 6010B**	**12/30-01/03/06**	**HTXDK1AA**
		Dilution Factor: 1				
		Analysis Time..: 17:09				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C5L220108 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	0.010	mg/L	SW846 6010B	12/30-01/03/06	HTXDK1AN
		Dilution Factor: 1				
		Analysis Time..: 17:09				
Zinc	**0.0040 B**	**0.020**	**mg/L**	**SW846 6010B**	**12/30-01/03/06**	**HTXDK1AP**
		Dilution Factor: 1				
		Analysis Time..: 17:09				

MB Lot-Sample #: C6A030000-036 **Prep Batch #...:** 6003036

Mercury	ND	0.20	ug/L	SW846 7470A	01/03/06	HT2KW1AA
		Dilution Factor 1				
		Analysis Time..: 10:13				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result Result is less than RL.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: C5L220108 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
n-Hexane Extractable Material		Work Order #: HT1E91AA		MB Lot-Sample #:	A5L300000-273	
	ND	5.0	mg/L	CFR136A 1664A HEM	12/30/05	5364273
		Dilution Factor: 1				
		Analysis Time..: 00:00				
Ammonia Nitrogen		Work Order #: HTPMW1AA		MB Lot-Sample #:	C5L230000-026	
	ND	0.10	mg/L	MCAWW 350.1	12/23/05	5357026
		Dilution Factor: 1				
		Analysis Time..: 11:15				
Cyanide (Free)		Work Order #: HTX4E1AA		MB Lot-Sample #:	C5L290000-322	
	ND	0.010	mg/L	SM18 4500-CN-I	12/29-12/30/05	5363322
		Dilution Factor: 1				
		Analysis Time..: 11:39				
Total Organic Carbon (TOC)		Work Order #: HTQAX1AA		MB Lot-Sample #:	C5L230000-233	
	ND	1.0	mg/L	MCAWW 415.1	12/22/05	5357233
		Dilution Factor: 1				
		Analysis Time..: 15:52				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

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Analytical Report

RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT 155

Contact RAINER DOMALSKI

Date Received 21-Dec-05
Date Reported 3-Feb-00

Invoice Number 35814

Date Collected 20-Dec-05

Client ID INFLUENT 12-20-05

Lab ID L7057-1

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
PESTICIDE ANALYSIS						
KEPONE	ug/L	U 0 042	0 042	SOP 6.2	1-Feb-06	CS
PHOTOMIREX	ug/L	U 0 006	0 006	SOP 6 2	1-Feb-06	CS
MIREX	ug/L	U 0 002	0 002	SOP 6 2	1-Feb-06	CS

Please see text report for additional comments related to this sample

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Analytical Report

RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT 155

Date Received 21-Dec-05
Date Reported 3-Feb-00

Invoice Number 35814

Contact RAINER DOMALSKI

Date Collected 20-Dec-05

Client ID LGAC 2-3-12-20-05

Lab ID L7057-2

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
PESTICIDE ANALYSIS						
KEPONE	ug/L	U 0 042	0 042	SOP 6 2	1-Feb-06	CS
PHOTOMIREX	ug/L	U 0 006	0 006	SOP 6 2	1-Feb-06	CS
MIREX	ug/L	U 0 002	0 002	SOP 6 2	1-Feb-06	CS
VOLATILE ANALYSIS						
VINYL CHLORIDE	ug/L	< 10	10	EPA 8260	28-Jan-06	YL
DICHLOROMETHANE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
1,1-DICHLOROETHENE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
CIS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
TRANS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
CHLOROFORM	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
1,2-DICHLOROETHANE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
1,1,1-TRICHLOROETHANE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
1,1,2,2-TETRACHLOROETHANE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
1,2-DICHLOROPROPANE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
TRICHLOROETHENE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
BENZENE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
TETRACHLOROETHENE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
TOLENE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
CHLOROBENZENE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
ETHYLBENZENE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
M,P-XYLENE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
O-XYLENE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
ACETONE	ug/L	< 10	10	EPA 8260	28-Jan-06	YL
2-BUTANONE	ug/L	< 10	10	EPA 8260	28-Jan-06	YL
CHLOROMETHANE	ug/L	< 10	10	EPA 8260	28-Jan-06	YL
CIS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
TRANS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL

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Analytical Report

RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT 155

Date Received 21-Dec-05
Date Reported 3-Feb-00

Invoice Number 35814

Contact RAINER DOMALSKI

Date Collected 20-Dec-05

Client ID LGAC 2-3-12-20-05

Lab ID L7057-2

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
BROMOFORM	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
DIBROMOCHLOROMEHTANE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
BROMODICHLOROMETHANE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
CARBON TETRACHLORIDE	ug/L	< 5	5	EPA 8260	28-Jan-06	YL
BROMOMETHANE	ug/L	< 10	10	EPA 8260	28-Jan-06	YL

Please see text report for additional comments related to this sample

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Analytical Report

RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT 155

Date Received 21-Dec-05
Date Reported 3-Feb-00

Invoice Number 35814

Contact RAINER DOMALSKI

Date Collected 20-Dec-05

Client ID OUTFALL 12-20-05

Lab ID L7057-3

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
PESTICIDE ANALYSIS						
KEPONE	ug/L	U 0 042	0 042	SOP 6 2	1-Feb-06	CS
PHOTOMIREX	ug/L	U 0 006	0 006	SOP 6 2	1-Feb-06	CS
MIREX	ug/L	U 0 002	0 002	SOP 6 2	1-Feb-06	CS
METHOXYCHLOR	ug/L	< 0 1	0 1	EPA 8081A	1-Feb-06	KAB
SEMI-VOLATILE ANALYSIS						
ANTHRACENE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
BENZO(A)ANTHRACENE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
BENZO(K)FLUORANTHENE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
3,4-BENZOFLUORANTHENE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
BENZO(B)FLUORANTHENE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
BENZO(G,H,I)PERYLENE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
BENZO(A)PYRENE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
CHRYSENE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
DIBENZ(A,H)ANTHRACENE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
FLUORENE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
INDENO(1,2,3-CD)PYRENE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
NAPHTHALENE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
PHENANTHRENE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
PYRENE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
PHENOL	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
4-METHYLPHENOL	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
1,3-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
1,4-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
1,2-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
DIMETHYL PHTHALATE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
BUTYLBENZYL PHTHALATE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
DI-N-BUTYL PHTHALATE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
2-METHYLNAPHTHALENE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
3,4-DICHLORONITROBENZENE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
DIPHENYL SULFONE	ug/L	< 10	10	EPA 8270C	1-Feb-06	CP
VOLATILE ANALYSIS						
VINYL CHLORIDE	ug/L	< 10	10	EPA 8260	27-Jan-06	YL
DICHLOROMETHANE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
1,1-DICHLOROETHENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
CIS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL

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Analytical Report

RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT 155

Contact RAINER DOMALSKI

Date Received 21-Dec-05
Date Reported 3-Feb-00

Invoice Number 35814

Date Collected 20-Dec-05

Client ID OUTFALL 12-20-05

Lab ID· L7057-3

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
TRANS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
CHLOROFORM	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
1,2-DICHLOROETHANE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
1,1,1-TRICHLOROETHANE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
1,1,2,2-TETRACHLOROETHANE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
1,2-DICHLOROPROPANE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
TRICHLOROETHENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
BENZENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
TETRACHLOROETHENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
TOLENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
CHLOROBENZENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
ETHYLBENZENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
M,P-XYLENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
O-XYLENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
ACETONE	ug/L	< 10	10	EPA 8260	27-Jan-06	YL
2-BUTANONE	ug/L	< 10	10	EPA 8260	27-Jan-06	YL
CHLOROMETHANE	ug/L	< 10	10	EPA 8260	27-Jan-06	YL
CIS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
TRANS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
BROMOFORM	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
DIBROMOCHLOROMEHTANE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
BROMODICHLOROMETHANE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
CARBON TETRACHLORIDE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
BROMOMETHANE	ug/L	< 10	10	EPA 8260	27-Jan-06	YL

Please see text report for additional comments related to this sample

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Analytical Report

RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT 155

Date Received 21-Dec-05
Date Reported 3-Feb-00

Invoice Number 35814

Contact RAINER DOMALSKI

Date Collected 20-Dec-05

Client ID TRIP BLANK

Lab ID L7057-4

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
VOLATILE ANALYSIS						
VINYL CHLORIDE	ug/L	< 10	10	EPA 8260	27-Jan-06	YL
DICHLOROMETHANE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
1,1-DICHLOROETHENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
CIS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
TRANS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
CHLOROFORM	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
1,2-DICHLOROETHANE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
1,1,1-TRICHLOROETHANE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
1,1,2,2-TETRACHLOROETHANE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
1,2-DICHLOROPROPANE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
TRICHLOROETHENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
BENZENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
TETRACHLOROETHENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
TOLENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
CHLOROBENZENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
ETHYLBENZENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
M,P-XYLENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
O-XYLENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
ACETONE	ug/L	< 10	10	EPA 8260	27-Jan-06	YL
2-BUTANONE	ug/L	< 10	10	EPA 8260	27-Jan-06	YL
CHLOROMETHANE	ug/L	< 10	10	EPA 8260	27-Jan-06	YL
CIS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
TRANS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
BROMOFORM	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
DIBROMOCHLOROMEHTANE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
BROMODICHLOROMETHANE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
CARBON TETRACHLORIDE	ug/L	< 5	5	EPA 8260	27-Jan-06	YL
BROMOMETHANE	ug/L	< 10	10	EPA 8260	27-Jan-06	YL

Please see text report for additional comments related to this sample

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Exygen RESEARCH

CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

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T: 814.231.8032 • F: 814.231.1580 • exygenresearch.com

PROJECT INFORMATION

Client (name & address):
Rutgers Organics Corp.
1224 Benton Road
Salem, Ohio 44460
Phone: (330) 332-4834
Fax:
Sampler: Denny Lane

Project Manager (Name & E-mail Address):
Dr. Rainer Domalski

Project Name:
Salem, Ohio Site
P.O. #:
Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments	NH3	VOC	BOD	pH, TSS, TDS	COD, TOC, O+G	SVOC	PESTICIDES
L7057-1	Influent 12-20-05	12-20-05	1300	X		2	Water					2			
L7057-2	LGAC 2-3-12-20-05	12-20-05	1300	X		6	Water			4		2			
L7057-3	Outfall 12-20-05	12-20-05	1300	X		12	Water		1	4	1	2	2	1	1

LAB USE ONLY

CHAIN OF CUSTODY

Relinquished by	Date	Time
D.L.L.	12-20-05	1500

Cooler ID # Cardboard Box Client
Cooler Temp. (°C) 23.1 1.3

Received by	Date	Time
[signature]	12/21/05	1240

LAB USE ONLY

OTHER INFORMATION

PROJECT REQUIREMENTS

Results Deadline:

Laboratory Report Options:
- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other

REV 6-04

CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

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PROJECT INFORMATION

Client (name & address):
Rutgers Organics Corp.
1224 Benton Road
Salem Ohio 44460
Phone: (330) 332-4834
Fax:
Sampler: Denny Lane

Project Manager (Name & E-mail Address):
Dr. Rainer Domalski

Project Name:
Salem, Ohio Site
P.O. #:
Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments	Cyanide Free	MPK	Iron + Metals	Vapor VOC	VOC 8260		
L7057-1	Influent 12-20-05	12-20-05	1300	X		2	Water			2					
L7057-2	LGAC 2-3 - 12-20-05	12-20-05	1300	X		2	Water			2					
L7057-3	Outfall 12-20-05	12-20-05	1300	X		5	Water		1	2	2				
L7057-4	Trip Blank	12/1/05	0945			2	Water						2		
L7057-5	AGAC 1-2-12-20-05	12-20-05	1300	X		1	Air					1			
L7057-6	AGAC F-12-20-05	12-20-05	1300	X		1	Air					1			

LAB USE ONLY

CHAIN OF CUSTODY

Relinquished by	Date	Time
D.L.L.	12-20-05	1500

Cooler ID # Cardboard Box Client

Cooler Temp. (°C) dzl 1.3

Received by	Date	Time
[signature]	12/21/05	1240

LAB USE ONLY

OTHER INFORMATION

PROJECT REQUIREMENTS

Results Deadline:

Laboratory Report Options:

- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other

REV. 6-04

ATTACHMENT 3

WATER SAMPLING RESULTS – JANUARY 3, 2006
NEASE CHEMICAL SITE, SALEM, OHIO

Exygen™ RESEARCH
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Analytical Report

Rütgers Organics Corporation

Exygen Research Project:

L7137

Testing Laboratory

Exygen Research
3058 Research Drive
State College, PA 16801

Requester

Dr. Rainer Domalski
Rutgers Organics Corporation
201 Struble Road
State College, PA 16801

3058 Research Drive
State College, PA 16801, USA
T. 800.281.3219
F: 814.272 1019
exygen.com

1 Introduction

Results are reported for the analysis of samples taken on 1/3/06. The samples were received from Rutgers Organics Corporation.

2 Sample Receipt

The sample shipment was logged in and given a unique Exygen laboratory identification number. All samples were stored refrigerated at 4°C from time of receipt until analysis. A copy of the custody documents, and sample login reports are presented in Attachment A. Listed below is the sample receipt information for the project received.

The samples were received on 1/4/06 in one package. The samples were received at 1.7°C.

Sample Identification	Exygen ID	Date Sampled	Sample Matrix	Requested Analysis
Influent 1-3-06	L7137-1	1/3/06	Water	ammonia-nitrogen, phosphorus, nitrate+nitrite
Effluent 1-3-06	L7137-2	1/3/06	Water	ammonia-nitrogen, phosphorus, nitrate+nitrite

3 Sample Analysis

3.1 Analysis

Listed in Table 1 are the parameters, methods and laboratory performing each of the analysis.

Table 1

Parameter	Method	Laboratory
ammonia-nitrogen	EPA 350.1	Severn Trent Laboratories (Pittsburgh)
phosphorus	EPA 365.2	Severn Trent Laboratories (Pittsburgh)
nitrate+nitrite	EPA 353.2	Severn Trent Laboratories (Pittsburgh)

3.2 Holding Times

All holding times were met for the requested analysis.

3.3 Quality Control

Quality control included those parameters prescribed by each method or SOP.

3.4 Sample Related Comments

Any problems encountered during the analysis of these samples are listed in the case narrative.

4 Data Summary

Results for this project are reported in Attachment B.

5 Data/Sample Retention

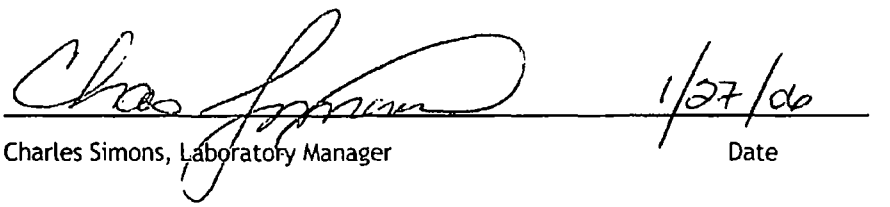
Samples are disposed of one month after the report is issued unless otherwise specified. All electronic data is archived on retrievable media and hard copy reports are stored in data folders maintained by Exygen Research. Hardcopy data is stored for a minimum of five years.

6 Attachments

6.1 Attachment A: Chain-of-Custody

6.2 Attachment B: Severn Trent Laboratories (Pittsburgh)

7 Signatures



Charles Simons, Laboratory Manager — Date

CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

Exygen RESEARCH

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PROJECT INFORMATION

Client (name & address):
RUTGERS ORGANICS CORP.
1224 BENTON RD.
SALEM, OHIO 44460
Phone: (330) 332-4834
Fax:
Sampler: DENNY LANE

Project Manager (Name & E-mail Address):
DR. RAINER DOMALSKI
STATE COLLEGE, PA,
Project Name:
SALEM, OHIO SITE
P.O. #:
Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments	AMMONIA + PHOSPHORUS	NITRATE	NITRITE				
L-7137-1	INFLUENT 1-3-06	1-3-06	1200	X		3	WATER		1	1	1				
~~L-7137-2~~	OUTFALL 1-3-06	1-3-06	1200	X		3	WATER		1	1	1				

LAB USE ONLY

CHAIN OF CUSTODY

Relinquished by	Date	Time
D.L.L.	1-3-06	1500

Cooler ID # CLIENT Cooler Temp. (°C) 1.7

Received by	Date	Time
Erin Shuland	1/4/06	1045

LAB USE ONLY

OTHER INFORMATION

(A) (RE) PD 1/4/06

PROJECT REQUIREMENTS

Results Deadline:

Laboratory Report Options:
- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other

REV 2-03

FedEx Express **US Airbill**

FedEx Tracking Number 8532 4987 3363

Form ID No 0200

Recipient's Copy

1 From

Date 1-3-06

Sender's Name

Phone 330 332-4834

Company RUTGERS ORGANICS CORP.

Address 1224 BENTON ROAD

Dept/Floor/Suite/Room

City SALEM State OH ZIP 44460

2 Your Internal Billing Reference 022-SALEM

3 To

Recipient's Name

Phone 814 231-8032

Company EXYGEN RESEARCH SAMPLE RECEIVING

Recipient's Address 3048 RESEARCH DRIVE

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept/Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here

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8532 4987 3363

4a Express Package Service — Packages up to 150 lbs.

- ☐ FedEx Priority Overnight — Next business morning*
- ☒ FedEx Standard Overnight — Next business afternoon*
- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations*
- ☐ FedEx 2Day — Second business day*
- ☐ FedEx Express Saver — Third business day*

FedEx Envelope rate not available. Minimum charge. One-pound rate.

4b Express Freight Service — Packages over 150 lbs.

- ☐ FedEx 1Day Freight* — Next business day**
- ☐ FedEx 2Day Freight — Second business day**
- ☐ FedEx 3Day Freight — Third business day**

* Call for Confirmation:

5 Packaging — * Declared value limit $500

- ☐ FedEx Envelope*
- ☐ FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- ☐ FedEx Box
- ☐ FedEx Tube
- ☒ Other

6 Special Handling — (enter FedEx celebrity in Section 3)

- ☐ SATURDAY Delivery — Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes
- ☐ HOLD Weekday at FedEx Location — Not available for FedEx First Overnight
- ☐ HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? (One box must be checked.)

- ☒ No
- ☐ Yes — As per attached Shipper's Declaration
- ☐ Yes — Shipper's Declaration not required
- ☐ Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- ☐ Cargo Aircraft Only

Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging.

7 Payment *Bill to:* — Enter FedEx Acct. No. or Credit Card No. below — Obtain Recip Acct. No. ☐

- ☒ Sender — Acct. No. in Section 1 will be billed.
- ☐ Recipient
- ☐ Third Party
- ☐ Credit Card
- ☐ Cash/Check

Total Packages	Total Weight	Total Declared Value†	Total Charges
1	1	$ .00	

†Our liability is limited to $100 unless you declare a higher value. See back for details.

Credit Card Auth.

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Visit our Web site at fedex.com or call 1.800.GoFedEx 1.800.463.3339

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Page ____ of ____

PROJECT INFORMATION

Client (name & address): Exygen Research

Project Manager (Name & E-mail Address): Jeff Biss

Project Name:

Phone:

Fax:

P.O. #: 6691 JB10

Sampler:

Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments	Ammonia + Phosphorus	NO3 + NO2					
	L000 7137-0001	11/3/06	1100	/	—	3	water		X	X					
	L000 7137-002	11/3/06	1200	/	—	3	water		X	X					

LAB USE ONLY

CHAIN OF CUSTODY

Relinquished by	Date	Time
Exygen Staff	11/5/06	1109

Cooler ID # _____ Cooler Temp. (°C) _____

Received by	Date	Time

LAB USE ONLY

PROJECT REQUIREMENTS

Results Deadline:

Laboratory Report Options:

- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other _____

OTHER INFORMATION

"THIS IS AN EXACT COPY OF THE ORIGINAL DOCUMENT"

BY _____ DATE 11/5/06

REV 7-03

Exygen RESEARCH
3058 Research Drive
State College, PA 16801
Phone: 814-272-1039
Fax: 814-231-1580

Login

Login Group: L0007137

Login #.	7248	Conform COC Sample:	True
Project:	P0001881	Conform COC.	True
Company Name:	Rutgers Organics	Conform Sample.	True
Submitted By	Rainer Domalski	Conform Request	True
Login Type	Immediate Receipt of Samples		
Started:	True		
Date Start	01/04/2006		
Due Date	01/14/2006		
Received Date:	01/04/2006		
Received By.	Edwards, Eric		
Spread Sample:			
Label.			
Exygen SD/PI	Biss, Jeffrey		
Project Title/Type	Environmental Sample Analysis / ROUTINE		
Login Notes.			

Packages / Containers

Package	Carton	Date / Condition	Shipper / ID	Temp. Control/Temp.	Direction / Handled By
PK0008253		Received Date: 1/4/06 10.45 Package & Contents Uncompromised	FEDEX 853249873363	Wet Ice 1.7	RECEIVED Edwards, Eric

Container #	Gross Weight	pH	Container Type	Preservative	Mfg Lot	Mfg ID
C0136561	772 20 g		500 mL amber glass bottle	H2SO4, Sulfuric Acid		
C0136564	584 33 g		500 ml Clear Plastic Narrow	H2SO4, Sulfuric Acid		
C0136565	590 43 g		500 ml Clear Plastic Narrow	H2SO4, Sulfuric Acid		
C0136566	775 60 g		500 mL amber glass bottle	H2SO4, Sulfuric Acid		
C0136567	591 56 g		500 ml Clear Plastic Narrow	H2SO4, Sulfuric Acid		
C0136568	590 83 g		500 ml Clear Plastic Narrow	H2SO4, Sulfuric Acid		

Samples

Sample ID	Container	Matrix	Fraction	Sample	Date Sampled	Date Due
L0007137-0001		LIQUID	Water	Influent 1-3-06	01/03/2006	01/14/2006
	C0136561					
	C0136564					
	C0136565					
L0007137-0002		LIQUID	Water	Outfall 1-3-06	01/03/2006	01/14/2006
	C0136566					
	C0136567					
	C0136568					

Login Reviewed By. _____ Date/Time 1/4/06 1120

Attachment A

Chain-Of Custody

Attachment B

Data Summary, Severn Trent Laboratories (Pittsburgh)

STL Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238

Tel: 412 963 7058 Fax: 412 963 2468
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. EXYGEN RESEARCH

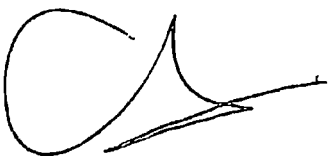
Exygen Research

Lot #: C6A060306

Jeff Biss

Exygen Research

SEVERN TRENT LABORATORIES, INC.



Christina M. Kovitch
Project Manager

January 12, 2006

SEVERN TRENT STL

ACCREDITED IN ACCORDANCE WITH nelac

NELAC REPORTING:

The format and content of the attached report meets NELAC standards and guidelines except as noted in the narrative. The table below presents a summary of the certifications held by STL Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	STL Pittsburgh
NFESC	NA	NAVY	X
USACE	NA	Corps of Engineers	X
US Dept of Agriculture	(#S-46425)	Foreign Soil Import Permit	X
Arkansas	(#03-022-1)	WW	X
		HW	X
California – nelac	04224CA	WW	X
		HW	X
Connecticut	(#PH-0688)	WW	X
		HW	X
Florida – nelac	(#E87660)	WW	X
		HW	X
Illinois – nelac	(#200005)	WW	X
		HW	X
Kansas – nelac	(#E-10350)	WW	X
		HW	X
Louisiana – nelac	(#93200)	WW	X
		HW	X
New Hampshire – nelac	(#203002)	WW	X
		–	--
New Jersey – nelac	(PA-005)	WW	X
		HW	X
New York – nelac	(#11182)	WW	X
		HW	X
North Carolina	(#434)	WW	X
		HW	X
North Dakota	R-075	WW	X
		HW	X
Ohio Vap	(#CL0063)	WW	X
		HW	X
Pennsylvania - nelac	(#02-00416)	WW	X
		HW	X
South Carolina	(#89014001)	WW	X
		HW	X
Utah – nelac	(STLP)	WW	X
		HW	X
West Virginia	(#142)	WW	X
		HW	X
Wisconsin	998027800	WW	X
		HW	X

The codes utilized for program types are described below:

HW Hazardous Waste certification
WW Non-potable Water and/or Wastewater certification
X Laboratory has some form of certification under the specific program Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

CASE NARRATIVE
EXYGEN RESEARCH

LOT # C6A060306

Sample Receiving:
STL Pittsburgh received samples on January 6, 2006. The cooler was received within the proper temperature range.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

General Chemistry:
The STL North Canton, OH laboratory performed the phosphorus analysis. All results are included in the report.

METHODS SUMMARY

C6A060306

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Nitrate-Nitrite	MCAWW 353.2	MCAWW 353.2
Nitrogen, Ammonia	MCAWW 350.1	MCAWW 350.1
Total phosphorus	MCAWW 365.2	MCAWW 365.2

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SAMPLE SUMMARY

C6A060306

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HT8LL	001	L0007137-0001	01/03/06	12:00
HT8LM	002	L0007137-0002	01/03/06	12:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit
- This report must not be reproduced, except in full, without the written approval of the laboratory
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

C6A060306

CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

Exygen Research

Exygen Research Sample Receiving • 3048 Research Drive • State College, PA 16801, USA
T: 814.231.8032 • F: 814.231.1580 • exygenresearch.com

PROJECT INFORMATION — **ANALYSES REQUESTED**

Client (name & address): Exygen Research

Project Manager (Name & E-mail Address): Jeff Biss

Phone:

Fax:

Sampler:

Project Name:

P.O. #: 6691 JB10

Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments	Ammonia + Phosphorus	NO3 + NO2					
	L000 7137-0001	1/3/06	1000	~	~	3	water		X	X					
	L000 7137-0002	1/3/06	1000	~	~	3	water		X	X					

LAB USE ONLY

CHAIN OF CUSTODY

Relinquished by	Date	Time
Exygen Lab	1/5/06	1109

Cooler ID # _____ Cooler Temp. (°C) ____

Received by	Date	Time
Patrick K. Faust	1/6/06	0920

LAB USE ONLY

PROJECT REQUIREMENTS

Results Deadline: _____

Laboratory Report Options:

- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other _____

OTHER INFORMATION

REV 2.01

EXYGEN RESEARCH

Client Sample ID: L0007137-0001

General Chemistry

Lot-Sample #...: C6A060306-001 **Work Order #...:** HT8LL **Matrix.....:** WATER
Date Sampled...: 01/03/06 **Date Received..:** 01/06/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia Nitrogen	**0.64**	**0.10**	**mg/L**	**MCAWW 350.1**	**01/09-01/10/06**	**6009266**
		Dilution Factor: 1		Analysis Time .: 12:47	MS Run # . .. .:	6009154
Nitrate-Nitrite	**0.21**	**0.10**	**mg/L**	**MCAWW 353.2**	**01/10/06**	**6010046**
		Dilution Factor: 1		Analysis Time..: 00.00	MS Run #.....:	6010027
Total phosphorus	ND	0.10	mg/L	MCAWW 365.2	01/08/06	6008025
		Dilution Factor: 1		Analysis Time. . 00:00	MS Run #.	: 6008013

EKYGEN RESEARCH

Client Sample ID: L0007137-0002

General Chemistry

Lot-Sample #...: C6A060306-002 **Work Order #...:** HT8LM **Matrix.....:** WATER
Date Sampled...: 01/03/06 **Date Received..:** 01/06/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia Nitrogen	**0.78**	**0.10**	**mg/L**	**MCAWW 350.1**	**01/09-01/10/06**	**6009266**
		Dilution Factor: 1		Analysis Time... 12:49	MS Run #.....: 6009154	
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	01/10/06	6010046
		Dilution Factor: 1		Analysis Time..: 00:00	MS Run #.....: 6010027	
Total phosphorus	0.23	0.10	mg/L	MCAWW 365.2	01/08/06	6008025
		Dilution Factor 1		Analysis Time 00 00	MS Run # . . .	6008013

METHOD BLANK REPORT

General Chemistry

Client Lot #...: C6A060306 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia Nitrogen		Work Order #: HVAWH1AA		MB Lot-Sample #:	C6A090000-266	
	ND	0.10	mg/L	MCAWW 350.1	01/09-01/10/06	6009266
		Dilution Factor: 1				
		Analysis Time..: 12 16				
Nitrate-Nitrite		Work Order #: HVCCR1AA		MB Lot-Sample #:	C6A100000-046	
	ND	0.10	mg/L	MCAWW 353.2	01/10/06	6010046
		Dilution Factor: 1				
		Analysis Time..: 00.00				
Total phosphorus		Work Order #: HT9T81AA		MB Lot-Sample #:	A6A080000-025	
	ND	0.10	mg/L	MCAWW 365.2	01/08/06	6008025
		Dilution Factor: 1				
		Analysis Time..: 00.00				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: C6A060306 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia Nitrogen		Work Order #: HVAWH1AC	LCS Lot-Sample#: C6A090000-266		
	97	(90 - 110)	MCAWW 350.1	01/09-01/10/06	6009266
		Dilution Factor: 1	Analysis Time..: 12:14		
Nitrate-Nitrite		Work Order #: HVCCR1AC	LCS Lot-Sample#: C6A100000-046		
	102	(90 - 110)	MCAWW 353.2	01/10/06	6010046
		Dilution Factor: 1	Analysis Time..: 00:00		
Total phosphorus		Work Order #: HT9T81AC	LCS Lot-Sample#: A6A080000-025		
	92	(53 - 134)	MCAWW 365.2	01/08/06	6008025
		Dilution Factor: 1	Analysis Time... 00:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: C6A060306 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia Nitrogen			Work Order #: HVAWH1AC		LCS Lot-Sample#: C6A090000-266		
	2.00	1.94	mg/L	97	MCAWW 350.1	01/09-01/10/06	6009266
			Dilution Factor: 1		Analysis Time .: 12:14		
Nitrate-Nitrite			Work Order #: HVCCR1AC		LCS Lot-Sample#: C6A100000-046		
	4.00	4.07	mg/L	102	MCAWW 353.2	01/10/06	6010046
			Dilution Factor: 1		Analysis Time. : 00:00		
Total phosphorus			Work Order #: HT9T81AC		LCS Lot-Sample#: A6A080000-025		
	2.93	2.70	mg/L	92	MCAWW 365.2	01/08/06	6008025
			Dilution Factor: 1		Analysis Time..: 00.00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: C6A060306 **Matrix.....:** WATER
Date Sampled...: 01/05/06 **Date Received..:** 01/06/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia Nitrogen		WO#: HT8LM1AG-MS/HT8LM1AH-MSD				MS Lot-Sample #: C6A060306-002	
	106	(90 - 110)			MCAWW 350.1	01/09-01/10/06	6009266
	101	(90 - 110)	3.5	(0-20)	MCAWW 350.1	01/09-01/10/06	6009266
		Dilution Factor: 1					
		Analysis Time..: 12:51					
		MS Run #.....: 6009154					
Nitrate-Nitrite		WO#: HT72N1C3-MS/HT72N1C4-MSD				MS Lot-Sample #: C6A060220-009	
	95	(90 - 110)			MCAWW 353.2	01/10/06	6010046
	88 N	(90 - 110)	1.5	(0-20)	MCAWW 353.2	01/10/06	6010046
		Dilution Factor 1					
		Analysis Time . 00:00					
		MS Run # . ....: 6010027					
Nitrate-Nitrite		WO#: HT7901AJ-MS/HT7901AK-MSD				MS Lot-Sample #: C6A060267-001	
	98	(90 - 110)			MCAWW 353.2	01/10/06	6010046
	95	(90 - 110)	1.8	(0-20)	MCAWW 353.2	01/10/06	6010046
		Dilution Factor: 1					
		Analysis Time..: 00:00					
		MS Run #.....: 6010027					
Total phosphorus		WO#: HT8LM1AE-MS/HT8LM1AF-MSD				MS Lot-Sample #: C6A060306-002	
	107	(10 - 199)			MCAWW 365.2	01/08/06	6008025
	98	(10 - 199)	6.5	(0-46)	MCAWW 365.2	01/08/06	6008025
		Dilution Factor: 1					
		Analysis Time..: 00:00					
		MS Run #.....: 6008013					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits

ATTACHMENT 4

WATER SAMPLING RESULTS – JANUARY 17, 2006
NEASE CHEMICAL SITE, SALEM, OHIO

SEVERN TRENT STL

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720

Tel· 330 497 9396 Fax· 330 497 0772
www.stl-inc.com

ANALYTICAL REPORT

Exygen Research - NC: TSS, TDS

Lot #: A6A190207

Jeff Biss

Exygen Research
3058 Research Drive
State College, PA 16801

SEVERN TRENT LABORATORIES, INC.

Frank J. Calovini
Project Manager

January 24, 2006

CASE NARRATIVE

A6A190207

The following report contains the analytical results for three water samples submitted to STL North Canton by Exygen Research from the Exygen Research - NC TSS TDS Site. The samples were received January 19, 2006, according to documented sample acceptance procedures.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, Frank J. Calovini, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT." The total number of pages in this report is 16.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 4.3°C.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

EXECUTIVE SUMMARY - Detection Highlights

A6A190207

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
L0007264-001 01/17/06 13:00 001				
Total Dissolved Solids	480	10	mg/L	MCAWW 160.1
Total Suspended Solids	18	4.0	mg/L	MCAWW 160.2
L0007264-002 01/17/06 13:00 002				
Total Dissolved Solids	460	10	mg/L	MCAWW 160.1
L0007264-003 01/17/06 13:00 003				
Total Dissolved Solids	470	10	mg/L	MCAWW 160.1

ANALYTICAL METHODS SUMMARY

A6A190207

PARAMETER	ANALYTICAL METHOD
Filterable Residue (TDS)	MCAWW 160.1
Non-Filterable Residue (TSS)	MCAWW 160.2

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SAMPLE SUMMARY

A6A190207

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HVXTW	001	L0007264-001	01/17/06	13:00
HVXT3	002	L0007264-002	01/17/06	13:00
HVXT7	003	L0007264-003	01/17/06	13:00

NOTE(S):

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- Results noted as "ND" were not detected at or above the stated limit
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- Results for the following parameters are never reported on a dry weight basis color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

EXYGEN RESEARCH

Client Sample ID: L0007264-001

General Chemistry

Lot-Sample #...: A6A190207-001 **Work Order #...:** HVXTW **Matrix.....:** WG
Date Sampled...: 01/17/06 13:00 **Date Received..:** 01/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids	**480**	**10**	**mg/L**	**MCAWW 160.1**	**01/20-01/23/06**	**6020392**
	Dilution Factor: 1					
Total Suspended Solids	**18**	**4.0**	**mg/L**	**MCAWW 160.2**	**01/20/06**	**6020376**
	Dilution Factor: 1					

EXYGEN RESEARCH

Client Sample ID: L0007264-002

General Chemistry

Lot-Sample #...: A6A190207-002 **Work Order #...:** HVXT3 **Matrix.....:** WG
Date Sampled...: 01/17/06 13:00 **Date Received..:** 01/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids	**460**	**10**	**mg/L**	**MCAWW 160.1**	**01/20-01/23/06**	**6020392**
	Dilution Factor: 1					
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	01/20/06	6020376
	Dilution Factor: 1					

EXYGEN RESEARCH

Client Sample ID: L0007264-003

General Chemistry

Lot-Sample #...: A6A190207-003 **Work Order #...:** HVXT7 **Matrix.....:** WG
Date Sampled...: 01/17/06 13:00 **Date Received..:** 01/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids	**470**	**10**	**mg/L**	**MCAWW 160.1**	**01/20-01/23/06**	**6020392**
	Dilution Factor: 1					
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	01/20/06	6020376
	Dilution Factor: 1					

SEVERN TRENT STL

QUALITY CONTROL SECTION

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A6A190207 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		Work Order #: HV4291AA		MB Lot-Sample #:	A6A200000-392	
	ND	10	mg/L	MCAWW 160.1	01/20-01/23/06	6020392
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: HV2VM1AA		MB Lot-Sample #:	A6A200000-376	
	ND	4.0	mg/L	MCAWW 160.2	01/20/06	6020376
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A6A190207 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		Work Order #: HV4291AC	LCS Lot-Sample#: A6A200000-392		
	97	(88 - 110)	MCAWW 160.1	01/20-01/23/06	6020392
		Dilution Factor: 1			
Total Suspended Solids		Work Order #: HV2VM1AC	LCS Lot-Sample#: A6A200000-376		
	96	(73 - 113)	MCAWW 160.2	01/20/06	6020376
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A6A190207 **Work Order #...:** HVX00-SMP HVX00-DUP **Matrix.....:** WATER

Date Sampled...: 01/18/06 13:30 **Date Received..:** 01/19/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: A6A190220-001		
	860	860	mg/L	0.12	(0-20)	MCAWW 160.1	01/20-01/23/06	6020392
			Dilution Factor: 1					
Total Suspended Solids						SD Lot-Sample #: A6A190220-001		
	ND	ND	mg/L	200	(0-20)	MCAWW 160.2	01/20/06	6020376
			Dilution Factor: 1					

Exygen RESEARCH

CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

Exygen Research Sample Receiving • 3048 Research Drive • State College, PA 16801, USA
T: 814.231.8032 • F: 814.231.1580 • exygenresearch.com

Page ____ of ____

PROJECT INFORMATION

Client (name & address): Exygen Research

Project Manager (Name & E-mail Address): Jeff Bise

Project Name:

Phone:

Fax:

Sampler:

P.O. #: 6691 JB10

Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

ANALYSES REQUESTED

TSS, TDS

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments	
	L000764-001	1/17/06	1300			1	Water		X
	L000764-002	↓	↓			1	↓		X
	L000764-003	↓	↓			1	↓		X

LAB USE ONLY

CHAIN OF CUSTODY

Relinquished by	Date	Time
	1/18/2006	1500

Cooler ID # _____ Cooler Temp. (°C) ____

Received by	Date	Time
	1/19/06	0900

LAB USE ONLY

PROJECT REQUIREMENTS

Results Deadline:

Laboratory Report Options:

- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other _____

OTHER INFORMATION

REV. 2-03

STL North Canton

STL Cooler Receipt Form/Narrative **Lot Number:** NGA190207

North Canton Facility

Client: Exygen Research Project: ______ Quote#: 66912

Cooler Received on: 1/19/06 Opened on: 1/19/06 by: (Signature)

Fedx ☐ Client Drop Off ☐ UPS ☒ DHL ☐ FAS ☐ STL Courier ☐

Stetson ☐ US Cargo ☐ Other: ______

STL Cooler No# ______ Foam Box ☒ Client Cooler ☐ Other ______

1. Were custody seals on the outside of the cooler? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒
   If YES, Quantity ______
   Were the custody seals signed and dated? Yes ☐ No ☐ NA ☒
2. Shipper's packing slip attached to this form? Yes ☒ No ☐ NA ☐
3. Did custody papers accompany the samples? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☒ Foam ☐ None ☐ Other: ______
6. Cooler temperature upon receipt 4.3 °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☒ ICE/$H_2$0 Slurry ☐

COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☒ No ☐
9. Were samples at the correct pH? (record below/on back) Yes ☐ No ☐ NA ☒
10. Were correct bottles used for the tests indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☐ NA ☒
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
13. Was a Trip Blank present in the cooler? Yes ☐ No ☒ Were VOAs on the COC? Yes ☐ No ☒
14. Does the trip blank number match the cooler number in which it was received? Yes ☐ No ☐ NA ☒

Contacted PM ______ Date: ______ by: ______ via Voice Mail ☐ Verbal ☐ Other ☐

Concerning: ______

1. CHAIN OF CUSTODY

The following discrepancies occurred:

______

2. SAMPLE CONDITION

Sample(s) ______ were received after the recommended holding time had expired.

Sample(s) ______ were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s) ______ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot #* 100405-*HNO3; Sulfuric Acid Lot #* 100405-*H2SO4; Sodium Hydroxide Lot #* -100405 -*NaOH; Hydrochloric Acid Lot #* 100504-*HCl; Sodium Hydroxide and Zinc Acetate Lot #* 071604-*CH3COO2ZN/NaOH*

Sample(s) ______ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID	pH	Date	Initials

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler	Temp	Method	Coolant

Discrepancies Cont.

SEVERN TRENT STL

END OF REPORT

Attachment E

Data Summary, Severn Trent Laboratories (Knoxville)

SEVERN TRENT STL

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921

Tel: 865 291 3000 Fax: 865 584 4315
www.stl-inc.com

ANALYTICAL REPORT

State College - TO14

Lot #: H6A200140

Jeff Biss

Exygen Research
3058 Research Drive
State College, PA 16801

SEVERN TRENT LABORATORIES, INC.

Scott A. Harris
Project Manager

January 26, 2006

Original Chain of Custody Documentation

H6A200140

CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

Exygen Research Sample Receiving • 3048 Research Drive • State College, PA 16801, USA
T: 814.231.8032 • F: 814.231.1580 • exygenresearch.com

Page _____ of _____

PROJECT INFORMATION

Client (name & address): Exygen Research

Project Manager (Name & E-mail Address): Jeff Bisa

Project Name:

Phone:

Fax:

Sampler:

P.O. #: 0414

Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

ANALYSES REQUESTED

TO-14

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments	TO-14						
	L0007264 - 4	1/17/06	1300			1	Air		X						
	L0007264 - 5	1/17/06	1300			1	Air		X						

LAB USE ONLY

CHAIN OF CUSTODY

Relinquished by	Date	Time
	1/18/06	1450

Cooler ID # _____ Cooler Temp. (°C) _____

Received by	Date	Time
	1/20/06	1110

LAB USE ONLY

PROJECT REQUIREMENTS

Results Deadline:

_____

Laboratory Report Options:

- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other _____

OTHER INFORMATION 1-BoxUPS No custody Seal present -
rec. temp. Ambient tracking 1Z465 7X5 03 4872 1235

2 Cans - 0 Flows ME 1/20/06

REV 2-03

EXECUTIVE SUMMARY - Detection Highlights

H6A200140

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
L0007264-4 01/17/06 13:00 001				
Ethylbenzene	4.5	1.0	ppb(v/v)	EPA-19 TO-14
m-Xylene & p-Xylene	26	1.0	ppb(v/v)	EPA-19 TO-14
o-Xylene	6.5	1.0	ppb(v/v)	EPA-19 TO-14
1,2-Dichlorobenzene	1.5	1.0	ppb(v/v)	EPA-19 TO-14
L0007264-5 01/17/06 13:00 002				
Toluene	6.0	1.0	ppb(v/v)	EPA-19 TO-14
1,2-Dichlorobenzene	3.3	1.0	ppb(v/v)	EPA-19 TO-14

ANALYTICAL METHODS SUMMARY

H6A200140

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO14	EPA-19 TO-14

References:

EPA-19 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA/600/4-89/017, January 1988

SAMPLE SUMMARY

H6A200140

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HV1QQ	001	L0007264-4	01/17/06	13:0(
HV1QX	002	L0007264-5	01/17/06	13:0(

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results
- Results noted as "ND" were not detected at or above the stated limit
- This report must not be reproduced, except in full, without the written approval of the laboratory
- Results for the following parameters are never reported on a dry weight basis color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

PROJECT NARRATIVE
H6A200140

The results reported herein are applicable to the samples submitted for analysis only.

This report shall not be reproduced except in full, without the written approval of the laboratory.

The original chain of custody documentation is included with this report.

Sample Receipt

Custody seals were not present upon sample receipt at STL Knoxville.

Quality Control

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

EXYGEN RESEARCH

Client Sample ID: L0007264-4

GC/MS Volatiles

Lot-Sample #...: H6A200140-001 **Work Order #...:** HV1QQ1AA **Matrix.....:** AIR
Date Sampled...: 01/17/06 **Date Received..:** 01/20/06
Prep Date.....: 01/21/06 **Analysis Date..:** 01/21/06
Prep Batch #...: 6023287
Dilution Factor: 5 **Method.....:** EPA-19 TO-14

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromodichloromethane	ND	1.0	ppb(v/v)
Bromoform	ND	1.0	ppb(v/v)
Dibromochloromethane	ND	1.0	ppb(v/v)
Dibromomethane	ND	2.0	ppb(v/v)
trans-1,2-Dichloroethene	ND	1.0	ppb(v/v)
Cumene	ND	2.0	ppb(v/v)
n-Propylbenzene	ND	2.0	ppb(v/v)
1,2,3-Trichloropropane	ND	2.5	ppb(v/v)
Dichlorodifluoromethane	ND	2.0	ppb(v/v)
Vinyl chloride	ND	2.0	ppb(v/v)
Chloroethane	ND	2.0	ppb(v/v)
Trichlorofluoromethane	ND	2.0	ppb(v/v)
1,1-Dichloroethene	ND	1.0	ppb(v/v)
1,1-Dichloroethane	ND	1.0	ppb(v/v)
cis-1,2-Dichloroethene	ND	1.0	ppb(v/v)
Chloroform	ND	1.0	ppb(v/v)
1,1,1-Trichloroethane	ND	1.0	ppb(v/v)
Carbon tetrachloride	ND	1.0	ppb(v/v)
Benzene	ND	1.0	ppb(v/v)
1,2-Dichloroethane	ND	1.0	ppb(v/v)
Trichloroethene	ND	1.0	ppb(v/v)
1,2-Dichloropropane	ND	1.0	ppb(v/v)
cis-1,3-Dichloropropene	ND	1.0	ppb(v/v)
Toluene	ND	1.0	ppb(v/v)
trans-1,3-Dichloropropene	ND	1.0	ppb(v/v)
1,1,2-Trichloroethane	ND	1.0	ppb(v/v)
Tetrachloroethene	ND	1.0	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	1.0	ppb(v/v)
Chlorobenzene	ND	1.0	ppb(v/v)
Ethylbenzene	**4.5**	**1.0**	**ppb(v/v)**
m-Xylene & p-Xylene	**26**	**1.0**	**ppb(v/v)**
o-Xylene	**6.5**	**1.0**	**ppb(v/v)**
Styrene	ND	1.0	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	1.0	ppb(v/v)
1,3,5-Trimethylbenzene	ND	1.0	ppb(v/v)
1,3-Dichlorobenzene	ND	1.0	ppb(v/v)
1,4-Dichlorobenzene	ND	1.0	ppb(v/v)
1,2-Dichlorobenzene	**1.5**	**1.0**	**ppb(v/v)**

(Continued on next page)

EXYGEN RESEARCH

Client Sample ID: L0007264-4

GC/MS Volatiles

Lot-Sample #...: H6A200140-001 **Work Order #...:** HV1QQ1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	118	(70 - 130)
Toluene-d8	100	(70 - 130)
4-Bromofluorobenzene	85	(70 - 130)

EXYGEN RESEARCH

L0007264-4

GC/MS Volatiles

Lot-Sample #: H6A200140-001 **Work Order #:** HV1QQ1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Difluorochloromethane	75-45-6	13 NJ	M	3.6101	ppb(v/v)
Methyl Alcohol	67-56-1	200 NJ	M	3.9768	ppb(v/v)
Undecane	1120-21-4	6.8 NJ	M	19.695	ppb(v/v)

NOTE(S):

M Result was measured against nearest internal standard assuming a response factor of 1

EXYGEN RESEARCH

Client Sample ID: L0007264-5

GC/MS Volatiles

Lot-Sample #...: H6A200140-002 **Work Order #...:** HV1QX1AA **Matrix.....:** AIR
Date Sampled...: 01/17/06 **Date Received..:** 01/20/06
Prep Date.....: 01/21/06 **Analysis Date..:** 01/21/06
Prep Batch #...: 6023287
Dilution Factor: 5 **Method.....:** EPA-19 TO-14

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromodichloromethane	ND	1.0	ppb(v/v)
Bromoform	ND	1.0	ppb(v/v)
Dibromochloromethane	ND	1.0	ppb(v/v)
Dibromomethane	ND	2.0	ppb(v/v)
trans-1,2-Dichloroethene	ND	1.0	ppb(v/v)
Cumene	ND	2.0	ppb(v/v)
n-Propylbenzene	ND	2.0	ppb(v/v)
1,2,3-Trichloropropane	ND	2.5	ppb(v/v)
Dichlorodifluoromethane	ND	2.0	ppb(v/v)
Vinyl chloride	ND	2.0	ppb(v/v)
Chloroethane	ND	2.0	ppb(v/v)
Trichlorofluoromethane	ND	2.0	ppb(v/v)
1,1-Dichloroethene	ND	1.0	ppb(v/v)
1,1-Dichloroethane	ND	1.0	ppb(v/v)
cis-1,2-Dichloroethene	ND	1.0	ppb(v/v)
Chloroform	ND	1.0	ppb(v/v)
1,1,1-Trichloroethane	ND	1.0	ppb(v/v)
Carbon tetrachloride	ND	1.0	ppb(v/v)
Benzene	ND	1.0	ppb(v/v)
1,2-Dichloroethane	ND	1.0	ppb(v/v)
Trichloroethene	ND	1.0	ppb(v/v)
1,2-Dichloropropane	ND	1.0	ppb(v/v)
cis-1,3-Dichloropropene	ND	1.0	ppb(v/v)
Toluene	**6.0**	**1.0**	**ppb(v/v)**
trans-1,3-Dichloropropene	ND	1.0	ppb(v/v)
1,1,2-Trichloroethane	ND	1.0	ppb(v/v)
Tetrachloroethene	ND	1.0	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	1.0	ppb(v/v)
Chlorobenzene	ND	1.0	ppb(v/v)
Ethylbenzene	ND	1.0	ppb(v/v)
m-Xylene & p-Xylene	ND	1.0	ppb(v/v)
o-Xylene	ND	1.0	ppb(v/v)
Styrene	ND	1.0	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	1.0	ppb(v/v)
1,3,5-Trimethylbenzene	ND	1.0	ppb(v/v)
1,3-Dichlorobenzene	ND	1.0	ppb(v/v)
1,4-Dichlorobenzene	ND	1.0	ppb(v/v)
1,2-Dichlorobenzene	**3.3**	**1.0**	**ppb(v/v)**

(Continued on next page)

EXYGEN RESEARCH

Client Sample ID: L0007264-5

GC/MS Volatiles

Lot-Sample #...: H6A200140-002 **Work Order #...:** HV1QX1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	113	(70 - 130)
Toluene-d8	101	(70 - 130)
4-Bromofluorobenzene	90	(70 - 130)

EXYGEN RESEARCH

L0007264-5

GC/MS Volatiles

Lot-Sample #: H6A200140-002 **Work Order #:** HV1QX1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Difluorochloromethane	75-45-6	11 NJ	M	3.6155	ppb(v/v)
Methyl Alcohol	67-56-1	31 NJ	M	3.9714	ppb(v/v)
Acetonitrile	75-05-8	9.4 NJ	M	5.2386	ppb(v/v)
Methylene Chloride	75-09-2	9.1 NJ	M	6.2416	ppb(v/v)

NOTE(S):

M Result was measured against nearest internal standard assuming a response factor of 1

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H6A200140 **Work Order #...:** HV46M1AA **Matrix.....:** AIR
MB Lot-Sample #: H6A230000-287

Prep Date.....: 01/21/06
Analysis Date..: 01/21/06 **Prep Batch #...:** 6023287
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Bromodichloromethane	ND	0.20	ppb(v/v)	EPA-19 TO-14
Bromoform	ND	0.20	ppb(v/v)	EPA-19 TO-14
Dibromochloromethane	ND	0.20	ppb(v/v)	EPA-19 TO-14
Dibromomethane	ND	0.40	ppb(v/v)	EPA-19 TO-14
trans-1,2-Dichloroethene	ND	0.20	ppb(v/v)	EPA-19 TO-14
Cumene	ND	0.40	ppb(v/v)	EPA-19 TO-14
n-Propylbenzene	ND	0.40	ppb(v/v)	EPA-19 TO-14
1,2,3-Trichloropropane	ND	0.50	ppb(v/v)	EPA-19 TO-14
Dichlorodifluoromethane	ND	0.20	ppb(v/v)	EPA-19 TO-14
Vinyl chloride	ND	0.20	ppb(v/v)	EPA-19 TO-14
Chloroethane	ND	0.20	ppb(v/v)	EPA-19 TO-14
Trichlorofluoromethane	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,1-Dichloroethene	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,1-Dichloroethane	ND	0.20	ppb(v/v)	EPA-19 TO-14
cis-1,2-Dichloroethene	ND	0.20	ppb(v/v)	EPA-19 TO-14
Chloroform	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,1,1-Trichloroethane	ND	0.20	ppb(v/v)	EPA-19 TO-14
Carbon tetrachloride	ND	0.20	ppb(v/v)	EPA-19 TO-14
Benzene	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,2-Dichloroethane	ND	0.20	ppb(v/v)	EPA-19 TO-14
Trichloroethene	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,2-Dichloropropane	ND	0.20	ppb(v/v)	EPA-19 TO-14
cis-1,3-Dichloropropene	ND	0.20	ppb(v/v)	EPA-19 TO-14
Toluene	ND	0.20	ppb(v/v)	EPA-19 TO-14
trans-1,3-Dichloropropene	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,1,2-Trichloroethane	ND	0.20	ppb(v/v)	EPA-19 TO-14
Tetrachloroethene	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,2-Dibromoethane (EDB)	ND	0.20	ppb(v/v)	EPA-19 TO-14
Chlorobenzene	ND	0.20	ppb(v/v)	EPA-19 TO-14
Ethylbenzene	ND	0.20	ppb(v/v)	EPA-19 TO-14
m-Xylene & p-Xylene	ND	0.20	ppb(v/v)	EPA-19 TO-14
o-Xylene	ND	0.20	ppb(v/v)	EPA-19 TO-14
Styrene	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,1,2,2-Tetrachloroethane	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,3,5-Trimethylbenzene	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,3-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,4-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-19 TO-14
1,2-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-19 TO-14

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H6A200140 **Work Order #...:** HV46M1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(70 - 130)
Toluene-d8	101	(70 - 130)
4-Bromofluorobenzene	86	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

EXYGEN RESEARCH

Method Blank Report

GC/MS Volatiles

Lot-Sample #: H6A230000-287 B **Work Order #:** HV46M1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ppb(v/v)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H6A200140 **Work Order #...:** HV46M1AC **Matrix.....:** AIR
LCS Lot-Sample#: H6A230000-287
Prep Date.....: 01/21/06 **Analysis Date..:** 01/21/06
Prep Batch #...: 6023287
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**83**	**(70 - 130)**	**EPA-19 TO-14**
Benzene	**104**	**(70 - 130)**	**EPA-19 TO-14**
Trichloroethene	**101**	**(70 - 130)**	**EPA-19 TO-14**
Toluene	**120**	**(70 - 130)**	**EPA-19 TO-14**
Chlorobenzene	**115**	**(70 - 130)**	**EPA-19 TO-14**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(70 - 130)
Toluene-d8	97	(70 - 130)
4-Bromofluorobenzene	95	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: H6A200140 **Work Order #...:** HV46M1AC **Matrix.....:** AIR
LCS Lot-Sample#: H6A230000-287
Prep Date.....: 01/21/06 **Analysis Date..:** 01/21/06
Prep Batch #...: 6023287
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**8.27**	**ppb(v/v)**	**83**	**EPA-19 TO-14**
Benzene	**10.0**	**10.4**	**ppb(v/v)**	**104**	**EPA-19 TO-14**
Trichloroethene	**10.0**	**10.1**	**ppb(v/v)**	**101**	**EPA-19 TO-14**
Toluene	**10.0**	**12.0**	**ppb(v/v)**	**120**	**EPA-19 TO-14**
Chlorobenzene	**10.0**	**11.5**	**ppb(v/v)**	**115**	**EPA-19 TO-14**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(70 - 130)
Toluene-d8	97	(70 - 130)
4-Bromofluorobenzene	95	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

H6A200140

Exygen RESEARCH

CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

Exygen Research Sample Receiving • 3048 Research Drive • State College, PA 16801, USA
T: 814.231.8032 • F: 814.231.1580 • exygenresearch.com

Page ____ of ____

PROJECT INFORMATION

Client (name & address): Exygen Research

Project Manager (Name & E-mail Address): Jeff Bisa

Project Name:

Phone:

Fax:

Sampler:

P.O. #: 0414

Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

ANALYSES REQUESTED

							To-14
							X
							X

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments
	L006264-4	1/17/06	1300			1	Air	
	L006264-5	1/17/06	1300			1	Air	

LAB USE ONLY

CHAIN OF CUSTODY

Relinquished by	Date	Time
	1/18/06	1450

Cooler ID # _____ Cooler Temp. (°C) ____

Received by	Date	Time
	1/20/06	1110

LAB USE ONLY

PROJECT REQUIREMENTS

Results Deadline:

_____

Laboratory Report Options:

- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other _____

OTHER INFORMATION 1-Box UPS No custody seal present.
rec. temp. Ambient tracking 1Z 465 7X5 03 48 721 235

2 Cans - 0 Flows M & E Vacuum

REV 2-03

STL KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: Eysen **Project:** _____ **Lot Number:** H6A200140

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ **1a** Do not match COC ☐ **1b** Incomplete information ☐ **1c** Marking smeared ☐ **1d** Label torn ☐ **1e** No label ☐ **1f** COC not received ☐ **1g** Other:	
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)	✓			☐ **2a** Temp Blank = _____ ☐ **2b** Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ **3a** Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?		✓		☑ **4a** Not present ☐ **4b** Not intact ☐ **4c** Other:	
5. Were all of the samples listed on the COC received?	✓			☐ **5a** Samples received-not on COC ☐ **5b** Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ **6a** Leaking ☐ **6b** Broken	
7. Were VOA samples received without headspace?			✓	☐ **7a** Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ **8a** Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ **9a** Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ **10a** Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For SOG water samples (1613B, 1668A, 8290, LR PAHs), do samples have visible solids present?			✓	If yes & appears to be >1%, was SOG notified? _____	
13. Are the shipping containers intact?	✓			☐ **13a** Leaking ☐ **13b** Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ **14a** Not relinquished by client	
15. Are tests/parameters listed for each sample?	✓			☐ **15a** Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ **15a** Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ **15a** Incomplete information	
18. Is the client and project name/# identified?			✓	☐ **15a** Incomplete information	
19. Was the sampler identified on the COC?			✓		

Quote #: 51366 PM Instructions: _____

Sample Receiving Associate: _____ Date: 1/20/06

Attachment F

Data Summary, Severn Trent Laboratories (Todd Giddings & Associates)

TODD GIDDINGS and
ASSOCIATES, INC.
HYDROGEOLOGISTS and ENGINEERS

3049 Enterprise Drive — State College, PA 16801 — Phone (814) 238-5927

January 24, 2006

Mr. Jeff Biss
Exygen Research
3117 Research Dr.
State College, PA 16801

*****ANALYTICAL LABORATORY REPORT*****

Sample Identification: L0007264-0003 (Outfall)

Date Collected: 01/17/06 Time Collected. 1300

Lab ID Number: 59283 Collected By: --

Analyte:	**Result:**	**Analyzed by: Date/Time:**
BOD (mg/l) SM 5210	< 2	DB 01/19/06 @ 1145

Submitted By: _____
Diane Bopp
Laboratory Manager

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Analytical Report

RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT 155

Date Received 18-Jan-06
Date Reported 3-Feb-06

Invoice Number 35937

Contact RAINER DOMALSKI

Date Collected 17-Jan-06

Client ID INFLUENT 1-17-06

Lab ID L7264-1

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
PESTICIDE ANALYSIS						
KEPONE	ug/L	U 0 042	0 042	SOP 6 2	1-Feb-06	CS
PHOTOMIREX	ug/L	U 0 006	0 006	SOP 6 2	1-Feb-06	CS
MIREX	ug/L	U 0 002	0 002	SOP 6.2	1-Feb-06	CS
SEMI-VOLATILE ANALYSIS						
ANTHRACENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
BENZO(A)ANTHRACENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
BENZO(K)FLUORANTHENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
3,4-BENZOFLUORANTHENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
BENZO(B)FLUORANTHENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
BENZO(G,H,I)PERYLENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
BENZO(A)PYRENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
CHRYSENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
DIBENZ(A,H)ANTHRACENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
FLUORENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
INDENO(1,2,3-CD)PYRENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
NAPHTHALENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
PHENANTHRENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
PYRENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
PHENOL	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
4-METHYLPHENOL	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
1,3-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
1,4-DICHLOROBENZENE	ug/L	43	10	EPA 8270C	26-Jan-06	CP
1,2-DICHLOROBENZENE	ug/L	2200	10	EPA 8270C	26-Jan-06	CP
DIMETHYL PHTHALATE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
BUTYLBENZYL PHTHALATE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
DI-N-BUTYL PHTHALATE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
2-METHYLNAPHTHALENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
3,4-DICHLORONITROBENZENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
DIPHENYL SULFONE	ug/L	250	10	EPA 8270C	26-Jan-06	CP
VOLATILE ANALYSIS						
VINYL CHLORIDE	ug/L	J 98	250	EPA 8260	20-Jan-06	YL
DICHLOROMETHANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
1,1-DICHLOROETHENE	ug/L	5	5	EPA 8260	20-Jan-06	YL
CIS-1,2-DICHLOROETHENE	ug/L	2136	250	EPA 8260	20-Jan-06	YL

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Analytical Report

RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT 155

Date Received 18-Jan-06
Date Reported 3-Feb-06

Invoice Number 35937

Contact RAINER DOMALSKI

Date Collected 17-Jan-06

Client ID *INFLUENT 1-17-06*

Lab ID L7264-1

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
TRANS-1,2-DICHLOROETHENE	ug/L	19	5	EPA 8260	20-Jan-06	YL
CHLOROFORM	ug/L	15	5	EPA 8260	20-Jan-06	YL
1,2-DICHLOROETHANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
1,1,1-TRICHLOROETHANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
1,1,2,2-TETRACHLOROETHANE	ug/L	J 24	125	EPA 8260	20-Jan-06	YL
1,2-DICHLOROPROPANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
TRICHLOROETHENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
BENZENE	ug/L	48	5	EPA 8260	20-Jan-06	YL
TETRACHLOROETHENE	ug/L	133	125	EPA 8260	20-Jan-06	YL
TOLENE	ug/L	19	5	EPA 8260	20-Jan-06	YL
CHLOROBENZENE	ug/L	J 32	125	EPA 8260	20-Jan-06	YL
ETHYLBENZENE	ug/L	10	5	EPA 8260	20-Jan-06	YL
M,P-XYLENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
O-XYLENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
ACETONE	ug/L	< 10	10	EPA 8260	20-Jan-06	YL
2-BUTANONE	ug/L	< 10	10	EPA 8260	20-Jan-06	YL
CHLOROMETHANE	ug/L	< 10	10	EPA 8260	20-Jan-06	YL
CIS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
TRANS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
BROMOFORM	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
DIBROMOCHLOROMEHTANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
BROMODICHLOROMETHANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
CARBON TETRACHLORIDE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
BROMOMETHANE	ug/L	< 10	10	EPA 8260	20-Jan-06	YL

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RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT 155

Date Received 18-Jan-06
Date Reported 3-Feb-06

Invoice Number. 35937

Contact RAINER DOMALSKI

Date Collected 17-Jan-06

Client ID LGAC 2-3-1-17-06

Lab ID. L7264-2

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
PESTICIDE ANALYSIS						
KEPONE	ug/L	U 0 042	0 042	SOP 6 2	1-Feb-06	CS
PHOTOMIREX	ug/L	U 0 006	0 006	SOP 6 2	1-Feb-06	CS
MIREX	ug/L	U 0 002	0 002	SOP 6 2	1-Feb-06	CS
VOLATILE ANALYSIS						
VINYL CHLORIDE	ug/L	< 10	10	EPA 8260	20-Jan-06	YL
DICHLOROMETHANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
1,1-DICHLOROETHENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
CIS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
TRANS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
CHLOROFORM	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
1,2-DICHLOROETHANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
1,1,1-TRICHLOROETHANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
1,1,2,2-TETRACHLOROETHANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
1,2-DICHLOROPROPANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
TRICHLOROETHENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
BENZENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
TETRACHLOROETHENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
TOLENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
CHLOROBENZENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
ETHYLBENZENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
M,P-XYLENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
O-XYLENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
ACETONE	ug/L	< 10	10	EPA 8260	20-Jan-06	YL
2-BUTANONE	ug/L	< 10	10	EPA 8260	20-Jan-06	YL
CHLOROMETHANE	ug/L	< 10	10	EPA 8260	20-Jan-06	YL
CIS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
TRANS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL

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201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT 155

Date Received 18-Jan-06
Date Reported 3-Feb-06

Invoice Number 35937

Contact RAINER DOMALSKI

Date Collected 17-Jan-06

Client ID LGAC 2-3-1-17-06

Lab ID L7264-2

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
BROMOFORM	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
DIBROMOCHLOROMEHTANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
BROMODICHLOROMETHANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
CARBON TETRACHLORIDE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
BROMOMETHANE	ug/L	< 10	10	EPA 8260	20-Jan-06	YL

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ACCOUNT 155

Date Received 18-Jan-06
Date Reported 3-Feb-06

Invoice Number 35937

Contact. RAINER DOMALSKI

Date Collected 17-Jan-06

Client ID OUTFALL 1-17-06

Lab ID L7264-3

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
PESTICIDE ANALYSIS						
KEPONE	ug/L	U 0 042	0 042	SOP 6 2	1-Feb-06	CS
PHOTOMIREX	ug/L	U 0 006	0 006	SOP 6 2	1-Feb-06	CS
MIREX	ug/L	U 0 002	0 002	SOP 6 2	1-Feb-06	CS
METHOXYCHLOR	ug/L	< 0 1	0 1	EPA 8081A	1-Feb-06	KAB
SEMI-VOLATILE ANALYSIS						
ANTHRACENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
BENZO(A)ANTHRACENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
BENZO(K)FLUORANTHENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
3,4-BENZOFLUORANTHENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
BENZO(B)FLUORANTHENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
BENZO(G,H,I)PERYLENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
BENZO(A)PYRENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
CHRYSENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
DIBENZ(A,H)ANTHRACENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
FLUORENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
INDENO(1,2,3-CD)PYRENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
NAPHTHALENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
PHENANTHRENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
PYRENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
PHENOL	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
4-METHYLPHENOL	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
1,3-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
1,4-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
1,2-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
DIMETHYL PHTHALATE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
BUTYLBENZYL PHTHALATE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
DI-N-BUTYL PHTHALATE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
2-METHYLNAPHTHALENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
3,4-DICHLORONITROBENZENE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
DIPHENYL SULFONE	ug/L	< 10	10	EPA 8270C	26-Jan-06	CP
VOLATILE ANALYSIS						
VINYL CHLORIDE	ug/L	< 10	10	EPA 8260	20-Jan-06	YL
DICHLOROMETHANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
1,1-DICHLOROETHENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
CIS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL

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Analytical Report

RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT. 155

Date Received 18-Jan-06
Date Reported 3-Feb-06

Invoice Number 35937

Contact RAINER DOMALSKI

Date Collected 17-Jan-06

Client ID OUTFALL 1-17-06

Lab ID L7264-3

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
TRANS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
CHLOROFORM	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
1,2-DICHLOROETHANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
1,1,1-TRICHLOROETHANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
1,1,2,2-TETRACHLOROETHANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
1,2-DICHLOROPROPANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
TRICHLOROETHENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
BENZENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
TETRACHLOROETHENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
TOLENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
CHLOROBENZENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
ETHYLBENZENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
M,P-XYLENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
O-XYLENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
ACETONE	ug/L	< 10	10	EPA 8260	20-Jan-06	YL
2-BUTANONE	ug/L	< 10	10	EPA 8260	20-Jan-06	YL
CHLOROMETHANE	ug/L	< 10	10	EPA 8260	20-Jan-06	YL
CIS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
TRANS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
BROMOFORM	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
DIBROMOCHLOROMEHTANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
BROMODICHLOROMETHANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
CARBON TETRACHLORIDE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
BROMOMETHANE	ug/L	< 10	10	EPA 8260	20-Jan-06	YL

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ACCOUNT 155

Date Received 18-Jan-06
Date Reported 3-Feb-06

Invoice Number· 35937

Contact RAINER DOMALSKI

Date Collected 17-Jan-06

Client ID. TRIP BLANK

Lab ID L7264-6

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
VOLATILE ANALYSIS						
VINYL CHLORIDE	ug/L	< 10	10	EPA 8260	20-Jan-06	YL
DICHLOROMETHANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
1,1-DICHLOROETHENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
CIS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
TRANS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
CHLOROFORM	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
1,2-DICHLOROETHANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
1,1,1-TRICHLOROETHANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
1,1,2,2-TETRACHLOROETHANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
1,2-DICHLOROPROPANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
TRICHLOROETHENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
BENZENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
TETRACHLOROETHENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
TOLENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
CHLOROBENZENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
ETHYLBENZENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
M,P-XYLENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
O-XYLENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
ACETONE	ug/L	< 10	10	EPA 8260	20-Jan-06	YL
2-BUTANONE	ug/L	< 10	10	EPA 8260	20-Jan-06	YL
CHLOROMETHANE	ug/L	< 10	10	EPA 8260	20-Jan-06	YL
CIS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
TRANS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
BROMOFORM	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
DIBROMOCHLOROMEHTANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
BROMODICHLOROMETHANE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
CARBON TETRACHLORIDE	ug/L	< 5	5	EPA 8260	20-Jan-06	YL
BROMOMETHANE	ug/L	< 10	10	EPA 8260	20-Jan-06	YL

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CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

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PROJECT INFORMATION

Client (name & address):
Rutgers Organics Corp.
201 Struble Rd.
State College, PA. 16801
Phone: (330) 332-4834
Fax:
Sampler: Gerald L. Wilhelm

Project Manager (Name & E-mail Address):
Dr. Rainer Domalski

Project Name:
Salem, Ohio Site
P.O. #:
Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments	Cyanide - Free	MPK	Iron & Metals	Vapor VOC			
L7264-1	Influent 1-17-06	1-17-06	1300	X		2	Water			2					
L7264-2	LGAC 2-3 1-17-06	1-17-06	1300	X		2	Water			2					
L7264-3	Outfall 1-17-06	1-17-06	1300	X		5	Water		1	2	2				
L7264-4	AGAC 1-2 1-17-06	1-17-06	1300	X		1	Air					1			
L7264-5	AGAC F 1-17-06	1-17-06	1300	X		1	Air					1			

LAB USE ONLY

JB 1-20-06

CHAIN OF CUSTODY

Relinquished by	Date	Time
G.L.W.	1-17-06	1500

Box - Summa Canisters 22.3
Cooler ID # Cooler 152 Cooler Temp. (°C) 0.7

Received by	Date	Time
	1/18/2006	1000

LAB USE ONLY

OTHER INFORMATION

PROJECT REQUIREMENTS

Results Deadline:

Laboratory Report Options:
- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other

REV. 6-04

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PROJECT INFORMATION

Client (name & address):
Rutgers Organics Corp.
201 Struble Rd.
State College, PA, 16801
Phone: (330) 332-4834
Fax:
Sampler: Gerald L. Wilhelm

Project Manager (Name & E-mail Address):
Dr. Rainer Domalski

Project Name:
Salem, Ohio Site
P.O. #:
Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments	NH3	VOC	BOD	PH, TSS, TDS	O+G, TOC, COD	SVOC	Pesticides
L7264-1	Influent 1-17-06	1-17-06	1300	X		7	Water			4		2		1	
L7264-2	LGAC 2-3 1-17-06	1-17-06	1300	X		6	Water			4		2			
L7264-3	Outfall 1-17-06	1-17-06	1300	X		12	Water		1	4	1	2	2	1	1
L7264-6	Trip Blank	12/27/05	1100			2	water			X					

LAB USE ONLY

CHAIN OF CUSTODY

Relinquished by	Date	Time
G.L.W.	1-17-06	1500

Cooler ID # CR000152 Cooler Temp. (°C) 1.7

Received by	Date	Time
[signature]	1/18/2006	1000

LAB USE ONLY

PROJECT REQUIREMENTS

Results Deadline:

Laboratory Report Options:
- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other

OTHER INFORMATION

REV. 6-04